

Natural Gas Monthly

July 2001

Energy Information Administration
Office of Oil and Gas
U.S. Department of Energy
Washington, DC 20585

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Natural Gas Publications and Databases Available Electronically

All of the natural gas publications are available electronically on the EIA website. Certain natural gas data are also provided in database formats on the web site. The table below is a guide to the major natural gas products.

Product	Format	Contents
Publications		
<i>Natural Gas Weekly Market Update</i>	PDF	Analysis of current price, supply and storage data
<i>Natural Gas Monthly</i>	PDF	Monthly supply, disposition, and price data
<i>Natural Gas Annual</i>	PDF	Annual supply, disposition, and price data
<i>Historical Natural Gas Annual</i>	PDF	Historical annual supply, disposition, and price data from 1930 - 1999
<i>Issues and Trends</i>	PDF	Comprehensive analysis of growth and change in the natural gas industry
<i>U.S. Crude Oil, Natural Gas and Natural Gas Liquids Reserves</i>	PDF	Proved reserves in the United States
<i>Oil and Gas Field Code Master List</i>	PDF	Listing of U.S. oil and gas field names
<u>Databases</u>		
Monthly Data	TXT	Tables 1-6, and 9 from the <i>Natural Gas Monthly</i>
Historical Monthly Data	EXE	Consumption and price data, 1984-1994; 1995-present
Annual Data	TXT	Tables from the <i>Natural Gas Annual</i>
Historical Annual Data	TXT	Tables from the <i>Historical Natural Gas Annual</i>
Field Codes	EXE	Oil & Gas Field Code Master List
<u>Applications</u>		
EIA-176 Query System	EXE	Company filings to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"
EIAGIS	EXE	Periodic updates for users of the EIAGIS-NG Geographic Information System

Preface

The *Natural Gas Monthly (NGM)* is prepared in the Natural Gas Division, Office of Oil and Gas, Energy Information Administration (EIA), U.S. Department of Energy (DOE), under the direction of Elizabeth Campbell.

General questions and comments regarding the *NGM* may be referred to Margaret Natof (202) 586-6303. Specific technical questions may be referred to the appropriate persons listed in Appendix E.

The *NGM* highlights activities, events, and analyses of interest to public and private sector organizations associated with the natural gas industry. Volume and price data are presented each month for natural gas production, distribution, consumption, and interstate pipeline activities. Producer-related activities and underground storage data are also reported. From time to time, the *NGM* features articles designed to assist readers in using and interpreting natural gas information.

The data in this publication are collected on surveys conducted by the EIA to fulfill its responsibilities for gathering and reporting energy data. Some of the data are collected under the authority of the Federal Energy Regulatory Commission (FERC), an independent commission within the DOE, which has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. Geographic coverage is the 50 States and the District of Columbia.

Explanatory Notes supplement the information found in tables of the report. A description of the data collection surveys that support the *NGM* is provided in the Data Sources section. A glossary of the terms used in this report is also provided to assist readers in understanding the data presented in this publication.

All natural gas volumes are reported at a pressure base of 14.73 pounds per square inch absolute (psia) and at 60 degrees Fahrenheit. Cubic feet are converted to cubic meters by applying a factor of 0.02831685.

Common Abbreviations Used in the Natural Gas Monthly

AGA	American Gas Association	Mcf	Thousand Cubic Feet
Bcf	Billion Cubic Feet	MMBtu	Million British Thermal Units
Btu	British Thermal Unit	MMcf	Million Cubic Feet
DOE	U.S. Department of Energy	MMS	United States Minerals Management Service, U.S. Department of the Interior
DOI	U.S. Department of the Interior	OCS	Outer Continental Shelf
EIA	Energy Information Administration, U.S. Department of Energy	STIFS	Short-Term Integrated Forecasting System
FERC	Federal Energy Regulatory Commission	STEO	Short Term Energy Outlook
IOGCC	Interstate Oil and Gas Compact Commission	Tcf	Trillion Cubic Feet
LNG	Liquefied Natural Gas		

Contents

Highlights	1
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Appendices

A. Explanatory Notes	69
B. Data Sources	75
C. Statistical Considerations	81
D. Articles, Special Focuses and Special Reports	87
E. Technical Contacts	89
Glossary	91

Tables

1. Summary of Natural Gas Production in the United States, 1995-2001.	3
2. Supply and Disposition of Dry Natural Gas in the United States, 1995-2001.	4
3. Natural Gas Consumption in the United States, 1995-2001.	6
4. Selected National Average Natural Gas Prices, 1995-2001	8
5. U.S. Natural Gas Imports, by Country, 1995-2001	10
6. U.S. Natural Gas Exports, by Country, 1995-2001.	12
7. Marketed Production of Natural Gas, by State, 1995-2001	13
8. Gross Withdrawals and Marketed Production of Natural Gas by State, March 2001	16
9. Underground Natural Gas Storage - All Operators, 1995-2001	17
10. Underground Natural Gas Storage - by Season, 1998-2001.	19
11. Underground Natural Gas Storage - Salt Cavern Storage Fields, 1995-2001	20
12. Underground Natural Gas Storage - Storage Fields Other than Salt Caverns, 1995-2001	21
13. Net Withdrawals from Underground Storage, by State, 1999-2001	22
14. Activities of Underground Natural Gas Storage Operators, by State, May 2001	26
15. Natural Gas Deliveries to Residential Consumers, by State, 1999-2001	27
16. Natural Gas Deliveries to Commercial Consumers, by State, 1999-2001	31

17. Natural Gas Deliveries to Industrial Consumers, by State, 1999-2001.	35
18. Natural Gas Deliveries to Electric Utility Consumers, by State, 1999-2001.	39
19. Natural Gas Deliveries to All Consumers, by State, 1999-2001.	43
20. Average City Gate Price, by State, 1999-2001.	47
21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1999-2001.	50
22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1999-2001	53
23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1999-2001	56
24. Average Price of Natural Gas Delivered to Electric Utility Consumers, by State, 1999-2001.	59
25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1999-2001	62
A1. Methodology for Reporting Initial Monthly Natural Gas Supply and Disposition Data	69
C1. Standard Error for Natural Gas Deliveries and Price to Consumers by State, April 2001.	86

Figures

1. Production and Consumption of Natural Gas in the United States, 1998-2002	5
2. Natural Gas Deliveries to Consumers in the United States, 1997-2001	7
3. Average Price of Natural Gas Delivered to Consumers in the United States, 1997-2001	9
4. Average Price of Natural Gas in the United States, 1997-2001	9
5. Working Gas in Underground Natural Gas Storage in the United States, 1998-2001	18
6. Percentage of Total Deliveries Represented by Onsystem Sales, 1997-2001	68

Highlights

This issue of the *Natural Gas Monthly* contains estimates of natural gas data through July 2001 for many data series at the national level. National-level natural gas prices are available through March 2001 (electric utilities), April (residential, commercial, and industrial), and June (wellhead). State-level data generally are available through April 2001, although underground storage data are available through May 2001.

Recent analyses of the natural gas industry are available on the EIA web site, under "Featured Topics" to the right side of the home page. The first two reports listed below are updated regularly, while the third is a one-time report that was released in May 2001. These reports are:

- *Natural Gas Weekly Update* - a current analysis of the industry each week, including information on natural gas spot and futures prices and storage activities.

This page also provides links to numerous other EIA sites dealing with natural gas.

- *Short Term Energy Outlook* - projections of energy consumption, supply, and price by type of fuel, including natural gas, for the next 18 months.
- *U.S. Natural Gas Markets: Recent Trends and Prospects for the Future* - an assessment of current market issues, such as the relatively low levels of natural gas in storage and high natural gas prices, and their implications for the future.

Other natural gas data and analyses may be found through the "Natural Gas" section of EIA's web site. In the center section of the home page, the user should place the cursor on "By Fuel," then click on "Natural Gas" in the drop-down menu.

Table 1. Summary of Natural Gas Production in the United States, 1995-2001
(Billion Cubic Feet)

Year and Month	Gross Withdrawals	Repressuring	Nonhydrocarbon Gases Removed ^a	Vented and Flared	Marketed Production (Wet)	Extraction Loss ^b	Dry Gas Production ^c
1995 Total	23,744	3,565	388	284	19,506	908	18,599
1996 Total	24,114	3,511	518	272	19,812	958	18,854
1997 Total	24,213	3,492	599	256	19,866	964	18,902
1998 Total	23,924	3,433	611	234	19,646	938	18,708
1999							
January	2,064	296	54	21	1,693	84	1,609
February	1,878	280	49	19	1,531	76	1,455
March	2,070	298	51	20	1,701	84	1,616
April	1,964	274	50	20	1,620	80	1,540
May	1,984	255	53	20	1,657	82	1,574
June	1,945	262	48	20	1,615	80	1,535
July	1,988	253	52	21	1,663	83	1,580
August	1,984	263	50	21	1,651	82	1,569
September	1,931	265	50	23	1,594	79	1,515
October	2,012	286	53	21	1,653	82	1,571
November	1,953	282	49	20	1,601	79	1,522
December	1,982	293	52	20	1,618	80	1,537
Total	23,755	3,305	610	245	19,596	973	18,623
2000							
January	^E 2,065	^E 313	^E 54	^E 23	^E 1,675	^E 83	^E 1,592
February	^E 1,935	^E 298	^E 45	^E 21	^E 1,571	^E 78	^E 1,493
March	^E 2,083	^E 301	^E 45	^E 23	^E 1,715	^E 85	^E 1,630
April	^E 2,007	^E 305	^E 46	^E 22	^E 1,634	^E 81	^E 1,553
May	^E 2,066	^E 304	^E 46	^E 22	^E 1,694	^E 84	^E 1,610
June	^E 1,989	^E 274	^E 45	^E 22	^E 1,648	^E 82	^E 1,566
July	^E 2,044	^E 275	^E 46	^E 22	^E 1,701	^E 85	^E 1,616
August	^E 2,058	^E 277	^E 46	^E 23	^E 1,711	^E 85	^E 1,626
September	^E 1,977	^E 270	^E 45	^E 22	^E 1,640	^E 82	^E 1,558
October	^E 2,097	^E 308	^E 47	^E 23	^E 1,719	^E 85	^E 1,634
November	^E 2,033	^E 304	^E 45	^E 23	^E 1,662	^E 83	^E 1,579
December	^E 2,090	^E 316	^E 47	^E 24	^E 1,704	^E 85	^E 1,619
Total	^E24,445	^E3,543	^E559	^E270	^E20,074	^E998	^E19,076
2001							
January	^E 2,134	^E 338	^E 41	^E 24	^E 1,731	^E 86	^E 1,645
February	^{RE} 1,933	^E 296	^{RE} 39	^E 22	^{RE} 1,576	^E 78	^{RE} 1,497
March	^{RE} 2,116	^{RE} 317	^{RE} 41	^{RE} 23	^{RE} 1,734	^{RE} 86	^{RE} 1,648
April	^{RE} 2,078	^{RE} 320	^E 41	^E 23	^E 1,694	^E 84	^E 1,610
May	^E 2,142	^E 326	^E 42	^E 24	^E 1,749	^E 87	^E 1,662
<i>June(STIFS)</i>	NA	NA	NA	NA	^E 1,694	^E 84	^E 1,610
<i>July(STIFS)</i>	NA	NA	NA	NA	^E 1,748	^E 87	^E 1,661
2001 YTD	NA	NA	NA	NA	^E11,926	^E593	^E11,333
2000 YTD	^E14,189	^E2,069	^E328	^E155	^E11,637	^E578	^E11,059
1999 YTD	13,893	1,917	356	140	11,479	570	10,910

^a See Appendix A, Explanatory Note 1, for a discussion of data on Nonhydrocarbon Gases Removed.

^b Extraction loss is collected only on an annual basis. Monthly extraction loss is estimated from monthly marketed production by assuming that the preceding annual percentage remains constant for the next twelve months.

^c Equal to marketed production (wet) minus extraction loss.

^E Estimated Data.

^{RE} Revised Estimated Data.

NA Not Available.

Notes: Data for 1995 through 1999 are final. All other data are preliminary

unless otherwise indicated and contain estimates for selected States (see Table 7). Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

Sources: 1995-1999: Energy Information Administration (EIA), *Natural Gas Annual 1999*. January 2000 through current month: Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," STIFS, and EIA estimates. See Appendix A, Explanatory Notes 1, 3, and 6, for discussion of computation and estimation procedures and revision policies.

Table 2. Supply and Disposition of Dry Natural Gas in the United States, 1995-2001
(Billion Cubic Feet)

Year and Month	Dry Gas Production	Supplemental Gaseous Fuels ^a	Net Imports	Net Storage Withdrawals ^b	Balancing Item ^c	Consumption ^d
1995 Total	18,599	110	2,687	415	-230	21,581
1996 Total	18,854	109	2,784	2	217	21,967
1997 Total	18,902	103	2,837	24	92	21,959
1998 Total	18,708	102	2,993	-530	-11	21,262
1999						
January	1,609	10	298	659	-35	2,542
February	1,455	8	273	339	61	2,137
March	1,616	9	286	314	-46	2,178
April	1,540	8	258	-96	87	1,797
May	1,574	8	277	-358	11	1,513
June	1,535	6	268	-327	-49	1,433
July	1,580	8	283	-231	-103	1,536
August	1,569	8	299	-236	-60	1,580
September	1,515	7	290	-335	-12	1,464
October	1,571	8	294	-165	-124	1,584
November	1,522	8	287	34	-130	1,721
December	1,537	10	308	573	-216	2,212
Total	18,623	98	3,422	171	-612	21,703
2000						
January	^E 1,592	^E 10	307	780	^R -168	^R 2,521
February	^E 1,493	^E 9	279	454	^R 121	^R 2,355
March	^E 1,630	^E 8	286	162	-16	2,070
April	^E 1,553	^E 7	277	-36	0	1,801
May	^E 1,610	^E 7	268	-232	^R 6	^R 1,659
June	^E 1,566	^E 6	279	-272	^R -51	^R 1,529
July	^E 1,616	^E 8	302	-290	^R -93	^R 1,543
August	^E 1,626	^E 8	298	-193	^R -64	^R 1,674
September	^E 1,558	^E 7	284	-282	^R -62	^R 1,505
October	^E 1,634	^E 8	301	-227	^R -107	^R 1,609
November	^E 1,579	^E 9	305	293	^R -265	^R 1,921
December	^E 1,619	^E 10	346	690	^R -76	^R 2,589
Total	^E 19,076	^E 98	3,533	845	^R -775	^R 22,777
2001						
January	^E 1,645	^E 10	345	467	^R 203	^R 2,670
February	^{RE} 1,497	^E 8	301	338	^R 165	^R 2,308
March	^{RE} 1,648	^E 9	324	181	^R 46	^R 2,207
April	^E 1,610	^E 7	^E 270	-276	^R 145	1,755
May	^E 1,662	^E 6	^E 275	-448	^R 149	^R 1,644
June(STIFS)	^E 1,610	^E 7	^{RE} 283	^E -473	^{RE} 143	^{RE} 1,570
July(STIFS)	^E 1,661	^E 8	^E 303	^E -420	^E 60	^E 1,611
2001 YTD	^E 11,333	^E 55	^E 2,100	^E -632	^E 910	^E 13,765
2000 YTD	^E 11,059	^E 56	1,999	565	-201	13,479
1999 YTD	10,910	57	1,945	299	-75	13,136

^a Supplemental gaseous fuels data are collected only on an annual basis except for the Dakota Gasification Inc. coal gasification facility which provides data each month. The ratio of annual supplemental fuels (excluding Dakota Gasification Inc.) to the sum of dry gas production, net imports, and net withdrawals from storage is calculated. This ratio is applied to the monthly sum of these three elements. The Dakota Gasification Inc. monthly value is added to the result to produce the monthly supplemental fuels estimate.

^b Monthly and annual data for 1995 through 1999 include underground storage and liquefied natural gas storage. Data for January 2000 forward include underground storage only. See Appendix A, Explanatory Note 7 for discussion of computation procedures.

^c Represents quantities lost and imbalances in data due to differences among data sources. See Appendix A, Explanatory Note 9, for full discussion.

^d Consists of pipeline fuel use, lease and plant fuel use, vehicle fuel, and

deliveries to consuming sectors as shown in Table 3.

^R Revised Data.

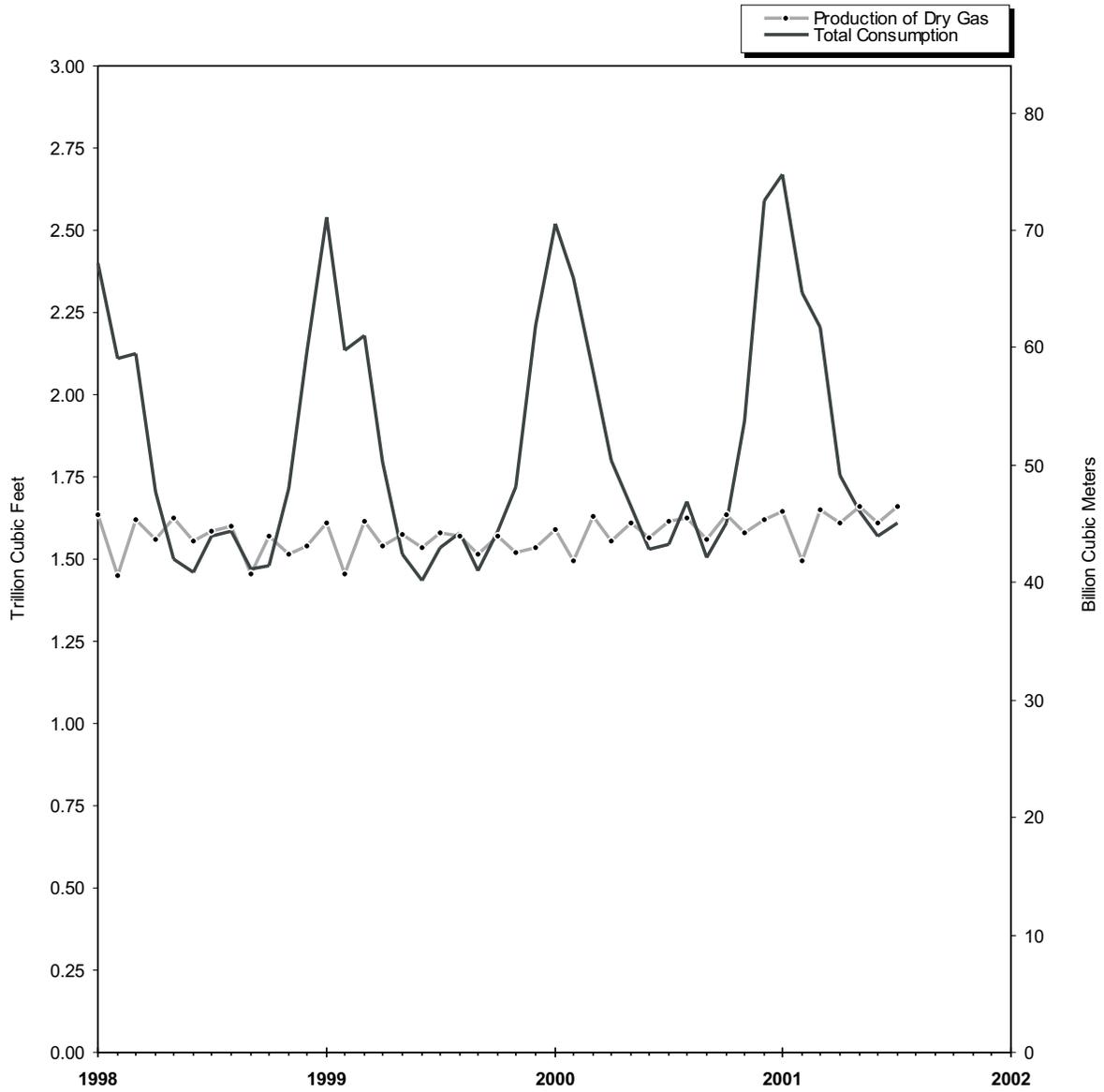
^E Estimated Data.

^{RE} Revised Estimated Data.

Notes: Data for 1995 through 1999 are final. All other data are preliminary unless otherwise indicated. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

Sources: 1995-1999: Energy Information Administration (EIA), *Natural Gas Annual 1999*. January 2000 through current month: EIA, Form EIA-895, Form EIA-857, Form EIA-191, EIA computations and estimates, Short-Term Integrated Forecasting System (STIFS) computations, and Office of Fossil Energy, *"Natural Gas Imports and Exports."* See Appendix A for discussion of computation and estimation procedures and revision policies.

Figure 1. Production and Consumption of Natural Gas in the United States, 1998-2001



Source: Table 2.

Table 3. Natural Gas Consumption in the United States, 1995-2001
(Billion Cubic Feet)

Year and Month	Lease and Plant Fuel ^a	Pipeline Fuel ^b	Delivered to Consumers					Total Consumption
			Residential	Commercial ^c	Industrial	Electric Utilities	Total	
1995 Total	1,220	700	4,850	3,034	8,580	3,197	19,660	21,581
1996 Total	1,250	711	5,241	3,161	8,870	2,732	20,006	21,967
1997 Total	1,203	751	4,984	3,219	8,832	2,968	20,004	21,959
1998 Total	1,157	635	4,520	3,005	8,686	3,258	19,469	21,262
1999								
January	93	87	911	477	797	176	2,361	2,542
February	85	73	690	401	739	149	1,979	2,137
March	94	74	669	390	747	204	2,010	2,178
April	89	61	420	260	713	254	1,647	1,797
May	90	51	235	177	690	270	1,372	1,513
June	88	48	158	144	673	322	1,297	1,433
July	91	52	127	133	701	434	1,394	1,536
August	90	53	116	137	750	432	1,436	1,580
September	88	49	135	138	772	283	1,327	1,464
October	91	53	234	181	785	240	1,440	1,584
November	88	58	372	246	785	172	1,574	1,721
December	90	76	660	363	849	176	2,047	2,212
Total	1,077	735	4,726	3,050	9,001	3,113	19,890	21,703
2000								
January	^E 92	85	859	^R 462	^R 831	191	^R 2,344	^R 2,521
February	^E 86	80	^R 771	^R 438	^R 812	167	^R 2,189	^R 2,355
March	^E 94	70	546	370	782	208	1,906	2,070
April	^E 90	61	394	264	777	215	1,651	1,801
May	^E 93	56	225	^R 192	^R 783	309	^R 1,510	^R 1,659
June	^E 91	52	153	157	^R 768	308	^R 1,386	^R 1,529
July	^E 94	^R 52	127	149	^R 747	374	^R 1,397	^R 1,543
August	^E 94	57	121	162	^R 830	411	^R 1,523	^R 1,674
September	^E 90	^R 51	139	161	^R 779	284	^R 1,364	^R 1,505
October	^E 95	54	234	193	^R 819	214	^R 1,460	^R 1,609
November	^E 91	65	474	298	^R 812	181	^R 1,764	^R 1,921
December	^E 94	88	902	^R 478	^R 840	187	^R 2,407	^R 2,589
Total	^E1,104	^R771	^R4,946	^R3,325	^R9,579	3,050	^R20,901	^R22,777
2001								
January	^E 95	^R 90	^R 980	^R 536	^R 812	157	^R 2,484	^R 2,670
February	^{RE} 87	78	^R 786	^R 457	^R 758	143	^R 2,144	^R 2,308
March	^{RE} 95	75	687	396	^R 782	^R 171	^R 2,037	^R 2,207
April	^E 93	59	404	261	726	211	1,602	1,755
May(STIFS)	^R 93	^R 56	^E 245	^E 207	^E 796	NA	^R 1,495	^R 1,644
June(STIFS)	^{RE} 91	^{RE} 52	^E 164	^E 160	^E 805	NA	^{RE} 1,427	^{RE} 1,570
July(STIFS)	^E 94	^E 55	^E 127	^E 153	^E 820	NA	^E 1,462	^E 1,611
2001 YTD^d	649	466	3,393	2,170	5,499	NA	12,651	13,765
2000 YTD^d	640	457	3,075	2,034	5,500	782	12,382	13,479
1999 YTD^d	630	446	3,210	1,980	5,060	784	12,060	13,136

^a Plant fuel data and monthly lease fuel data are collected only annually. Monthly lease and plant fuel use is estimated from monthly marketed production by assuming that the preceding annual percentage remains constant for the next twelve months.

^b Pipeline fuel use is collected only on an annual basis. Monthly pipeline fuel data are estimated from monthly total consumption(excluding pipeline fuel) by assuming that the preceding annual percentage remains constant for the next twelve months.

^c Deliveries to Commercial consumers for 1995-1999 include vehicle fuel deliveries, which totaled, in billion cubic feet, 2.7 in 1995, 2.9 in 1996, 4.4 in 1997, 5.1 in 1998, and 5.7 in 1999.

^d Year-to-date volume represents months for which volume information is available in the current year.

^R Revised Data.

^E Estimated Data.

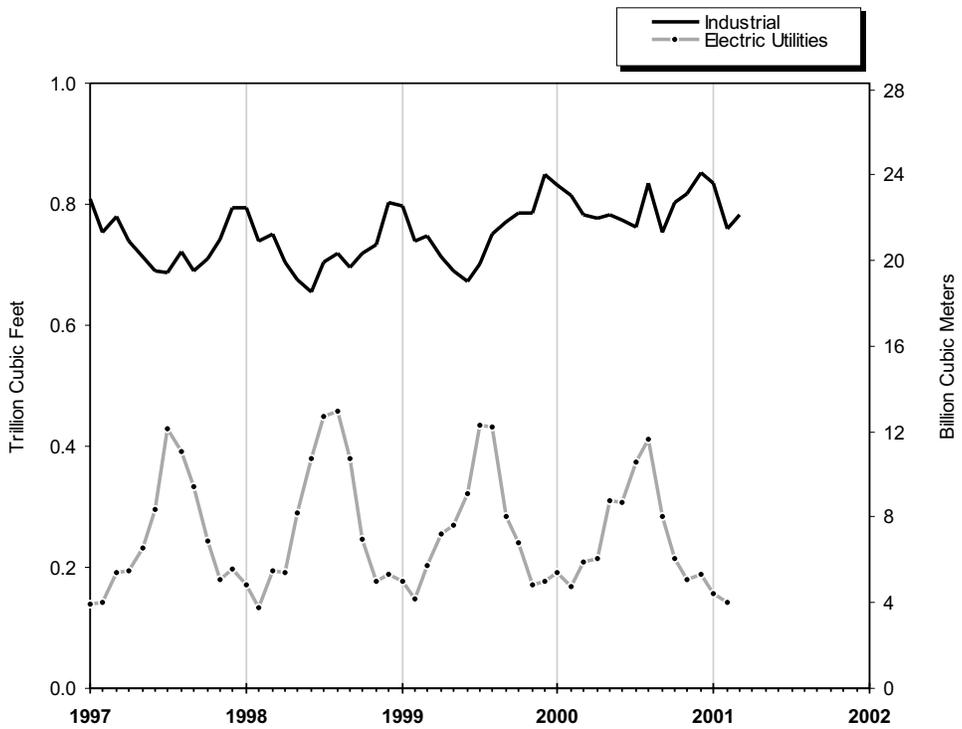
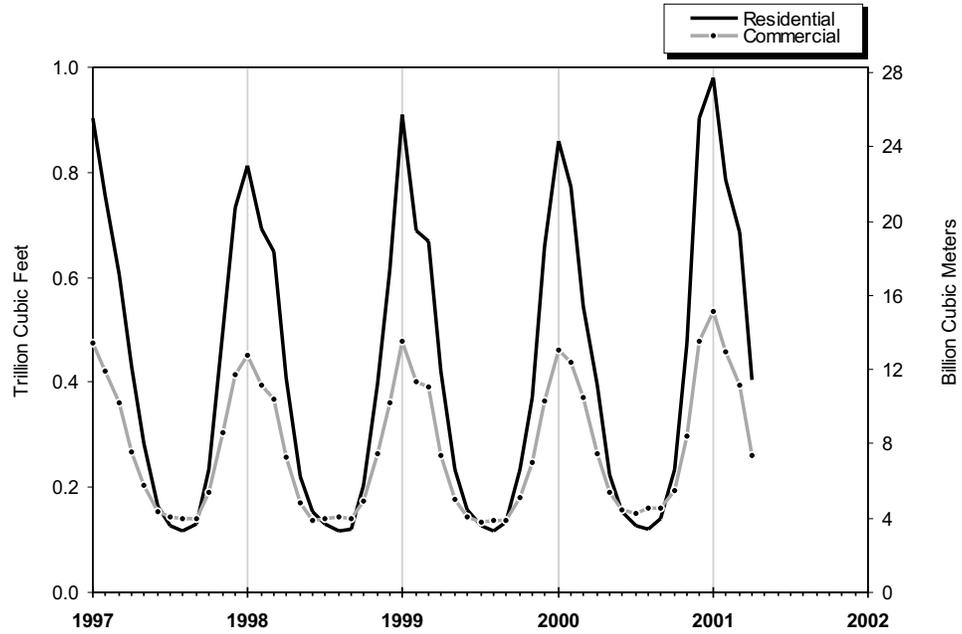
^{RE} Revised Estimated Data.

NA Not Available.

Notes: Data for 1995 through 1999 are final. All other data are preliminary unless otherwise indicated. Estimates for the most recent three months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding. Beginning in 1996, consumption of natural gas for agricultural use was classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

Sources: 1995-1999: Energy Information Administration (EIA): Form EIA-895 "Monthly Quantity and Value of Natural Gas Report," Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form EIA-759, "Monthly Power Plant Report," EIA computations, and *Natural Gas Annual 1999*. January 2000 through the current month: EIA: Form EIA-895, Form EIA-857, Form EIA-759, and STIFS computations. See Appendix A, Explanatory Note 5, for computation procedures and revision policy.

Figure 2. Natural Gas Deliveries to Consumers in the United States, 1997-2001



Source: Table 3.

Table 4. Selected National Average Natural Gas Prices, 1995-2001

(Dollars per Thousand Cubic Feet)

Year and Month	Wellhead Price ^a	City Gate Price	Delivered to Consumers					
			Residential Price	Commercial		Industrial		Electric Utilities Price
				Price	% of Total ^b	Price	% of Total ^b	
1995 Annual Average	1.55	2.78	6.06	5.05	76.7	2.71	24.5	2.02
1996 Annual Average	2.17	3.34	6.34	5.40	77.6	3.42	19.4	2.69
1997 Annual Average	2.32	3.66	6.94	5.80	70.8	3.59	18.1	2.78
1998 Annual Average	1.94	3.07	6.82	5.48	67.0	3.14	16.1	2.40
1999								
January	1.84	2.87	6.00	5.19	73.1	3.29	16.9	2.32
February	1.75	2.93	6.29	5.28	69.7	2.92	16.8	2.26
March	1.68	2.69	6.06	4.97	69.3	2.95	17.4	2.15
April	1.86	2.94	6.44	5.32	65.4	3.00	16.6	2.29
May	2.16	3.41	7.30	5.34	61.1	2.86	16.0	2.57
June	2.12	3.28	8.20	5.29	61.1	2.81	15.8	2.53
July	2.18	3.23	8.83	5.44	58.2	2.86	15.7	2.58
August	2.49	3.53	9.14	5.46	56.6	2.99	18.8	2.86
September	2.61	3.72	8.63	5.55	60.0	3.41	17.5	2.98
October	2.50	3.31	7.56	5.46	61.7	3.20	17.5	2.83
November	2.67	3.76	7.15	5.72	63.0	3.51	17.7	3.01
December	2.20	3.24	6.51	5.56	67.6	3.05	21.3	2.68
Annual Average	2.17	3.16	6.69	5.33	66.2	3.10	17.4	2.62
2000								
January	^E 2.12	3.30	6.31	^R 5.54	66.7	3.46	16.0	2.73
February	^E 2.30	3.50	6.53	5.66	^R 67.5	3.70	16.4	2.95
March	^E 2.36	3.54	6.89	5.37	63.5	3.55	15.6	2.99
April	^E 2.55	3.70	7.09	5.63	63.3	3.63	15.2	3.22
May	^E 2.90	4.14	7.99	^R 5.46	^R 61.7	3.71	14.3	3.62
June	^E 3.73	5.17	9.24	5.87	58.8	4.28	^R 15.2	4.44
July	^E 3.70	5.12	10.12	5.87	57.4	^R 4.46	^R 14.6	4.34
August	^E 3.67	4.59	10.18	5.38	59.6	4.35	^R 14.4	4.28
September	^E 4.26	^R 5.17	9.93	7.09	58.3	^R 4.91	^R 14.1	4.87
October	^E 4.61	^R 5.64	9.39	6.79	60.8	^R 5.26	^R 14.1	5.16
November	^E 4.62	^R 5.20	8.60	7.14	64.1	5.31	18.2	5.35
December	^E 6.35	^R 6.81	8.57	7.81	^R 68.5	6.50	^R 18.4	8.21
Annual Average	^E 3.60	^R 4.65	^R 7.70	^R 6.19	64.0	^R 4.48	^R 15.6	4.32
2001								
January	^E 8.06	8.95	^R 9.82	^R 9.22	^R 68.7	8.00	^R 17.8	9.47
February	^E 5.84	7.29	^R 10.15	^R 9.53	^R 66.7	^R 6.95	^R 16.8	7.15
March	^E 5.15	^R 6.28	9.74	8.95	65.7	6.42	15.0	5.69
April	^E 5.21	6.46	9.95	8.75	64.8	6.02	14.1	NA
May	^E 4.56	NA	NA	NA	NA	NA	NA	NA
June	^E 3.88	NA	NA	NA	NA	NA	NA	NA
2001 YTD^c	^E 5.45	7.47	9.91	9.17	66.8	6.94	16.0	7.22
2000 YTD^c	^E 2.66	3.48	6.62	5.55	65.6	3.58	15.8	2.89
1999 YTD^c	1.90	2.85	6.16	5.18	69.9	3.04	16.9	2.24

^a See Appendix A, Explanatory Note 8, for discussion of wellhead prices.

^b Percentage of total deliveries represented by onsystem sales, see Figure 6. See Table 25 for State data.

^c Year-to-date price represents months for which price information is available in the current year. The wellhead year-to-date price is 2 months ahead of the city gate, residential, commercial, and industrial year-to-date prices. The electric utility year-to-date price is 1 month behind the city gate, residential, commercial, and industrial year-to-date prices.

^R Revised Data.

^E Estimated Data.

NA Not Available.

Notes: Data for 1995 through 1999 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. In 1996, consumption of natural gas for agricultural use was classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

Sources: 1995-1999: Energy Information Administration (EIA) *Natural Gas Annual 1999*. January 2000 through current month: EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and EIA estimates. See Appendix A, Explanatory Note 8 for estimation procedures and revision policy.

Figure 3. Average Price of Natural Gas Delivered to Consumers in the U.S., 1997-2001

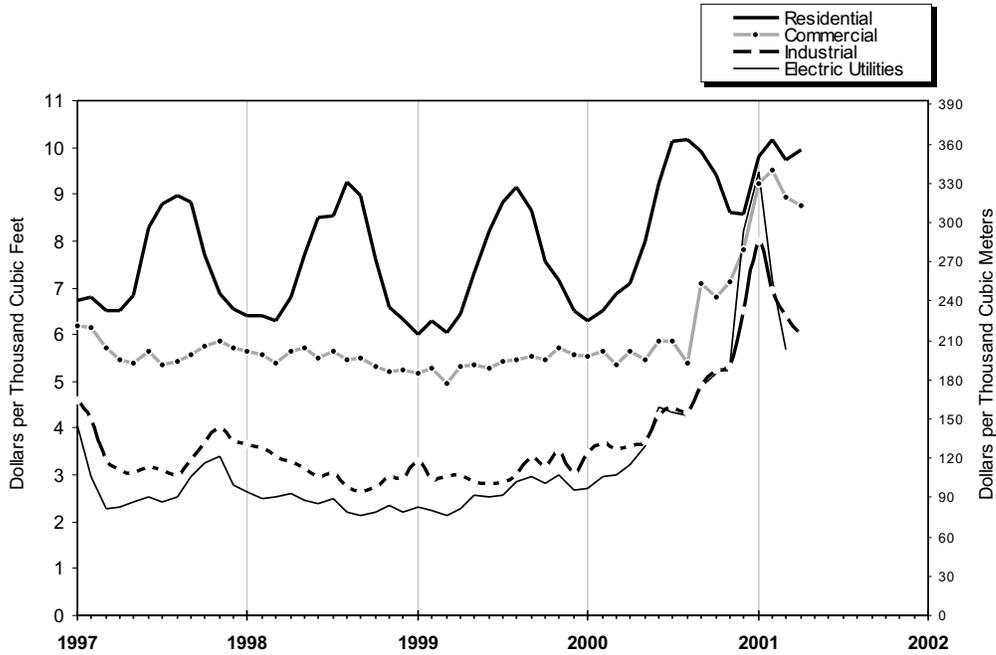


Figure 4. Average Price of Natural Gas in the United States, 1997-2001

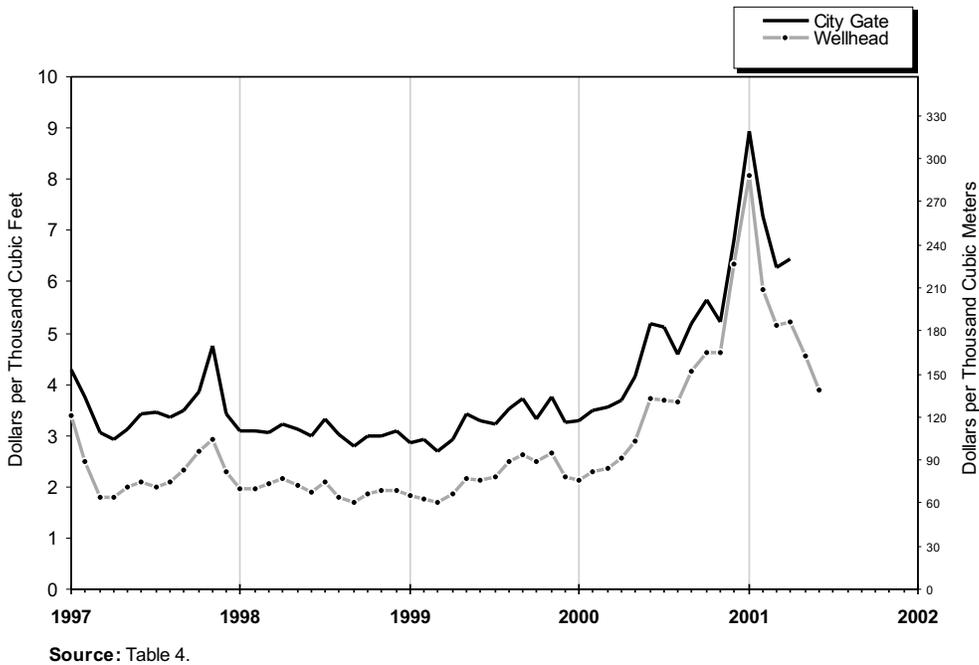


Table 5. U.S. Natural Gas Imports, by Country, 1995-2001
(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

Year and Month	Pipeline				LNG					
	Canada		Mexico		Algeria		Australia		Nigeria	
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price
1995 Total	2,816,408	1.48	6,722	1.53	17,918	2.30	0	—	0	—
1996 Total	2,883,277	1.96	13,862	2.25	35,325	2.70	0	—	0	—
1997 Total	2,899,152	2.15	17,243	2.31	65,675	2.67	9,686	2.92	0	—
1998 Total	3,052,073	1.95	14,532	2.03	68,567	2.51	11,634	3.30	0	—
1999										
January	292,833	2.02	4,891	1.74	13,066	2.42	0	—	0	—
February	269,126	1.90	4,398	1.69	7,684	2.51	2,557	3.55	0	—
March	287,769	1.77	751	1.60	13,090	2.44	0	—	0	—
April	257,065	1.83	4,193	2.02	7,637	2.35	0	—	0	—
May	275,219	2.18	6,844	1.94	3,898	2.13	0	—	0	—
June	260,240	2.13	4,978	2.12	2,528	2.17	2,314	2.33	0	—
July	278,424	2.17	3,877	2.21	5,134	2.18	0	—	0	—
August	288,717	2.39	6,028	2.61	2,554	2.17	2,302	2.37	0	—
September	280,798	2.64	4,643	2.39	7,593	2.49	0	—	0	—
October	287,177	2.50	4,168	2.49	5,118	2.48	2,309	2.42	0	—
November	284,514	2.85	6,463	2.31	2,440	2.85	0	—	0	—
December	305,663	2.32	3,296	2.08	5,021	2.51	2,422	2.76	0	—
Total	3,367,545	2.23	54,530	2.14	75,763	2.41	11,904	2.70	0	—
2000										
January	310,181	2.43	2,911	2.30	5,026	2.51	0	—	0	—
February	289,222	2.57	730	2.50	4,987	3.62	0	—	0	—
March	291,469	2.60	316	2.60	3,990	2.40	0	—	0	—
April	273,881	2.85	756	2.97	2,566	2.62	2,274	3.18	0	—
May	274,616	3.06	0	—	2,453	3.01	0	—	0	—
June	278,529	3.89	0	—	2,529	3.40	0	—	2,488	4.20
July	293,353	3.98	27	4.01	2,562	3.27	2,285	3.22	2,496	4.92
August	295,355	3.65	10	4.64	2,370	3.73	0	—	2,510	3.60
September	282,921	4.19	209	5.00	2,556	3.96	1,270	3.25	2,658	3.57
October	296,022	5.27	1,115	5.17	7,570	3.33	0	—	2,503	5.87
November	309,337	4.93	1,231	5.62	2,552	3.84	116	3.40	0	—
December	349,079	7.47	4,297	8.73	5,042	3.91	0	—	0	—
Total	3,543,966	3.97	11,601	5.43	44,202	3.28	5,945	3.21	12,654	4.42
2001										
January	351,175	9.65	2,416	7.98	5,020	3.90	0	—	2,478	10.92
February	304,703	6.49	1,139	5.45	7,658	5.32	0	—	5,068	6.33
March	333,048	5.42	1,482	4.89	7,606	5.66	0	—	2,535	9.17
April	^E 281,067	NA	^E 1,482	NA	4,998	NA	0	—	2,467	NA
May	^E 286,302	NA	^E 1,482	NA	5,249	NA	0	—	2,860	NA
2001 YTD	^E1,556,294	NA	^E8,001	NA	30,530	NA	0	—	15,408	NA
2000 YTD	1,439,370	2.69	4,713	2.46	19,022	2.86	2,274	3.18	0	—
1999 YTD	1,382,012	1.94	21,077	1.84	45,375	2.41	2,557	3.55	0	—

See footnotes at end of table.

Table 5. U.S. Natural Gas Imports, by Country, 1995-2001

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet) — Continued

Year and Month	LNG								Total	
	Qatar		Trinidad		United Arab Emirates		Other		Volume	Average Price
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price		
1995 Total	0	—	0	—	0	—	0	—	2,841,048	1.49
1996 Total	0	—	0	—	4,949	3.46	0	—	2,937,413	1.97
1997 Total	0	—	0	—	2,417	3.74	0	—	2,994,173	2.17
1998 Total	0	—	0	—	5,252	2.63	0	—	3,152,058	1.97
1999										
January	0	—	0	—	0	—	0	—	310,790	2.03
February	2,647	2.72	0	—	0	—	0	—	286,412	1.93
March	0	—	0	—	0	—	0	—	301,610	1.80
April	2,492	1.91	0	—	0	—	0	—	271,387	1.85
May	0	—	5,493	1.88	0	—	0	—	291,454	2.17
June	2,417	1.94	6,619	2.08	0	—	0	—	279,096	2.13
July	2,388	2.61	6,599	2.11	0	—	0	—	296,422	2.18
August	0	—	9,904	2.33	0	—	^a 2,576	2.36	312,081	2.39
September	4,987	2.74	4,393	2.55	0	—	0	—	302,414	2.63
October	0	—	5,865	2.57	0	—	0	—	304,637	2.50
November	2,374	3.45	6,648	2.85	2,713	3.03	0	—	305,152	2.85
December	2,392	3.59	5,256	2.83	0	—	0	—	324,050	2.34
Total	19,697	2.71	50,777	2.39	2,713	3.03	^a2,576	2.36	3,585,505	2.24
2000										
January	0	—	7,780	3.01	0	—	0	—	325,897	2.44
February	0	—	5,168	2.90	0	—	0	—	300,107	2.59
March	2,428	2.79	8,393	2.89	0	—	0	—	306,596	2.61
April	7,254	2.71	7,285	3.04	0	—	0	—	294,016	2.85
May	0	—	10,723	3.05	0	—	0	—	287,793	3.06
June	2,385	2.75	7,390	3.47	2,725	3.56	0	—	296,046	3.87
July	4,793	3.97	14,307	3.29	0	—	^b 2,464	2.84	322,285	3.94
August	7,167	3.15	8,435	3.29	0	—	^b 2,461	2.84	318,308	3.62
September	7,625	3.97	4,864	2.98	0	—	^b 2,740	4.16	304,843	4.15
October	7,165	4.14	7,392	3.65	0	—	^c 2,760	3.99	324,527	5.16
November	7,241	3.32	6,950	3.85	0	—	^b 2,333	3.40	329,759	4.85
December	0	—	10,262	5.12	0	—	0	—	368,680	7.37
Total	46,057	3.44	98,949	3.42	2,725	3.56	12,758	3.47	3,778,858	3.95
2001										
January	0	—	9,215	6.80	0	—	0	—	370,303	9.50
February	0	—	6,635	4.63	0	—	^b 2,738	8.62	327,941	6.44
March	2,400	3.17	9,221	4.54	0	—	0	—	356,293	5.41
April	2,452	NA	8,030	NA	0	—	^b 1,702	NA	^e 302,198	NA
May	2,852	NA	8,146	NA	0	—	0	—	^e 306,889	NA
2001 YTD	7,704	NA	41,246	NA	0	—	4,440	NA	^e1,663,624	NA
2000 YTD	9,682	2.73	39,349	2.99	0	—	0	—	1,514,409	2.70
1999 YTD	5,139	2.33	5,493	1.88	0	—	0	—	1,461,653	1.96

^a Received from Malaysia.^b Received from Oman.^c Received from Indonesia.^e Estimated Data.

NA Not Available.

— Not Applicable.

Sources: January 1995 through the current month (except estimates): Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*. Estimated pipeline data are taken from data from the National Energy Board of Canada plus EIA estimates. LNG data: Industry reports.

Table 6. U.S. Natural Gas Exports, by Country, 1995-2001
(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

Year and Month	Pipeline				LNG				Total	
	Canada		Mexico		Japan		Mexico		Volume	Average Price
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price		
1995 Total	27,554	1.96	61,283	1.50	65,283	3.41	0	—	154,119	2.39
1996 Total	51,905	2.67	33,840	2.11	67,648	3.65	0	—	153,393	2.97
1997 Total	56,447	2.52	38,372	2.46	62,187	3.83	0	—	157,006	3.02
1998 Total	39,891	2.25	53,133	2.04	65,951	2.91	33	5.69	159,007	2.45
1999										
January	2,264	1.92	4,526	1.81	5,586	2.95	24	7.41	12,400	2.36
February	2,564	1.93	4,777	1.72	5,564	2.94	29	7.39	12,934	2.30
March	4,494	1.80	5,950	1.62	5,570	2.88	21	7.33	16,035	2.11
April	2,246	1.80	5,049	1.87	5,687	2.77	19	7.13	13,001	2.26
May	2,212	2.26	6,108	2.27	5,644	2.78	24	7.42	13,988	2.48
June	1,953	2.14	5,278	2.29	3,754	2.77	18	7.28	11,003	2.44
July	1,987	2.19	5,612	2.31	5,675	2.88	20	7.14	13,294	2.54
August	2,018	2.41	5,398	2.70	5,643	3.11	20	7.36	13,079	2.84
September	1,959	2.80	5,267	2.89	5,605	3.23	21	7.26	12,852	3.03
October	2,339	2.63	4,086	2.68	3,723	3.28	13	7.07	10,161	2.89
November	8,018	2.95	5,001	2.89	5,579	3.56	30	5.85	18,628	3.12
December	6,454	2.39	3,973	2.28	5,577	3.81	36	5.82	16,040	2.86
Total	38,508	2.35	61,025	2.27	63,607	3.08	275	6.95	163,415	2.61
2000										
January	7,056	2.49	5,937	2.39	5,569	4.04	36	5.82	18,597	2.93
February	9,033	2.70	6,394	2.62	5,566	4.08	37	5.82	21,030	3.05
March	9,051	2.74	7,641	2.70	3,769	4.18	45	5.82	20,505	3.00
April	3,093	2.86	8,222	2.94	5,670	4.25	30	5.82	17,015	3.37
May	3,791	3.15	10,338	3.23	5,709	4.27	31	5.82	19,869	3.52
June	4,331	4.19	8,714	4.30	3,763	4.34	30	5.82	16,837	4.28
July	4,042	4.37	10,157	4.52	5,597	4.36	29	5.82	19,825	4.45
August	3,900	3.90	11,248	4.16	5,598	4.22	29	5.82	20,775	4.13
September	4,685	4.76	10,265	5.07	5,592	4.37	28	5.82	20,571	4.81
October	5,327	5.26	10,197	5.31	7,512	4.51	35	5.82	23,070	5.04
November	10,217	4.10	9,154	4.78	5,686	4.49	51	5.82	25,107	4.44
December	10,251	4.39	6,834	8.57	5,579	4.51	38	5.82	22,702	5.68
Total	74,774	3.69	105,102	4.26	65,610	4.31	418	5.82	245,904	4.10
2001										
January	11,818	7.07	7,939	10.20	5,571	4.68	47	5.82	25,374	7.52
February	15,796	5.44	7,863	6.95	3,714	4.73	42	5.82	27,414	5.78
March	19,691	4.48	6,965	6.08	5,569	4.70	42	5.82	32,266	4.87
April	^E 19,691	NA	^E 6,834	NA	5,594	NA	NA	NA	^E 32,118	NA
May	^E 19,691	NA	^E 6,834	NA	5,677	NA	NA	NA	^E 32,202	NA
2001 YTD	^E 86,685	NA	^E 36,435	NA	26,125	NA	NA	NA	^E 149,376	NA
2000 YTD	32,022	2.73	38,532	2.83	26,283	4.16	179	5.82	97,016	3.17
1999 YTD	13,780	1.92	26,410	1.87	28,051	2.86	117	7.35	68,358	2.30

^E Estimated Data.

NA Not Available.

— Not Applicable.

Sources: January 1995 through the current month (except estimates):

Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*. Estimated pipeline data are taken from data from the National Energy Board of Canada plus EIA estimates. LNG data: Industry reports.

Table 7. Marketed Production of Natural Gas, by State, 1995-2001
(Million Cubic Feet)

Table 7

Year and Month	Alabama ^b	Alaska	Arizona	California	Colorado	Florida	Kansas
1995 Total	519,661	469,550	558	279,555	523,084	6,463	721,436
1996 Total	530,841	480,828	463	286,494	572,071	6,006	712,796
1997 Total	583,272	468,311	452	285,690	637,375	6,114	687,215
1998 Total	563,779	466,648	457	315,277	696,321	5,796	603,586
1999							
January	47,546	43,013	31	31,961	62,170	511	52,200
February	43,684	38,930	27	27,952	63,344	503	43,801
March	45,306	42,128	35	30,224	61,664	604	47,290
April	42,455	38,249	37	28,811	57,978	548	45,904
May	47,604	35,039	39	31,170	63,312	537	46,147
June	46,613	35,938	44	30,778	62,489	442	46,452
July	46,686	35,896	60	33,356	61,282	499	46,254
August	45,972	35,853	51	34,047	61,337	480	45,902
September	44,743	36,627	43	33,273	58,761	501	44,294
October	45,420	39,617	43	34,685	62,548	427	45,342
November	45,157	39,158	35	33,373	61,819	408	44,094
December	46,085	42,517	28	33,085	62,383	473	45,740
Total	547,271	462,967	474	382,715	739,085	5,933	553,419
2000							
January	32,259	43,584	37	31,011	^E 63,486	499	44,772
February	30,264	38,884	33	28,855	^E 60,681	480	42,199
March	31,540	39,274	26	31,351	^E 64,312	567	40,737
April	30,422	39,084	28	30,645	^E 62,013	^E 500	49,749
May	31,134	35,171	31	31,886	^E 64,061	535	43,445
June	29,595	35,120	32	29,799	^E 62,366	475	43,565
July	30,209	36,894	32	31,124	^E 63,526	528	42,591
August	30,436	38,609	33	32,702	^E 64,198	531	43,918
September	28,739	36,679	33	30,954	^E 62,063	526	40,524
October	29,825	41,958	33	32,255	^E 65,494	510	39,917
November	29,229	39,869	32	31,474	^E 65,029	448	39,559
December	29,773	43,293	24	32,831	^E 66,724	511	39,820
Total	363,425	468,418	375	374,888	^E 763,954	^E 6,110	510,796
2001							
January	30,460	^E 44,546	31	32,450	^E 67,408	^E 568	40,474
February	27,096	^E 38,729	28	29,821	^E 65,125	^E 575	^R 35,876
March	^E 28,894	^E 41,347	31	^E 29,024	^E 67,993	^E 712	39,486
2001 YTD	^E 86,450	^E 124,622	90	^E 91,296	^E 200,527	^E 1,855	115,836
2000 YTD	94,063	121,742	96	91,217	^E 188,479	1,546	127,707
1999 YTD	136,536	124,072	94	90,137	187,177	1,618	143,290

See footnotes at end of table.

Table 7. Marketed Production of Natural Gas, by State, 1995-2001

(Million Cubic Feet) — Continued

Year and Month	Louisiana ^b	Michigan	Mississippi	Montana	New Mexico	North Dakota	Oklahoma
1995 Total	5,108,366	238,203	95,533	50,264	1,625,837	49,468	1,811,734
1996 Total	5,289,742	245,740	103,263	50,996	1,554,087	49,674	1,734,887
1997 Total	5,229,821	305,950	107,300	52,437	1,558,633	52,401	1,703,888
1998 Total	5,287,870	278,076	108,068	57,645	1,501,098	53,185	1,644,531
1999							
January	459,044	20,743	9,152	5,235	129,321	4,408	135,369
February	417,264	8,426	8,678	4,768	116,787	3,931	121,063
March	462,267	40,112	9,933	5,240	128,657	4,227	133,865
April	451,763	22,574	9,426	4,889	126,045	4,299	125,362
May	457,608	25,240	9,708	5,057	125,612	4,345	128,071
June	437,730	25,084	9,480	4,666	125,381	4,333	128,410
July	455,946	23,988	9,542	5,178	127,971	4,578	134,140
August	451,409	19,154	9,406	5,123	130,728	4,542	139,529
September	429,403	24,652	9,198	5,026	124,664	4,432	126,716
October	439,129	13,540	9,050	5,305	130,728	4,613	139,787
November	422,311	21,676	8,608	5,048	127,749	4,534	130,810
December	429,918	32,175	8,840	5,629	118,027	4,622	127,725
Total	5,313,794	277,364	111,021	61,163	1,511,671	52,862	1,570,847
2000							
January	448,056	22,664	8,241	5,938	119,673	4,596	140,133
February	421,148	16,043	5,386	5,544	134,734	4,114	125,666
March	457,018	33,779	7,350	5,881	143,850	4,288	140,774
April	437,983	12,800	6,785	5,610	134,231	4,270	132,645
May	454,990	26,717	7,527	4,958	140,428	4,530	136,640
June	445,393	17,497	6,938	5,470	133,164	4,316	136,635
July	460,562	30,350	7,347	5,876	138,395	4,503	138,880
August	461,278	32,904	7,571	5,836	136,354	4,329	136,532
September	440,758	24,785	7,227	5,724	134,896	4,324	131,177
October	457,368	38,261	7,958	[£] 5,544	134,889	4,496	139,660
November	451,086	25,905	7,693	[£] 6,054	[£] 124,678	4,167	[£] 136,456
December	469,745	15,361	8,535	[£] 6,528	[£] 119,630	4,467	[£] 141,005
Total	5,405,385	297,067	88,558	[£]68,963	[£]1,594,923	52,402	[£]1,636,203
2001							
January	467,724	27,354	8,958	[£] 6,534	[£] 129,950	4,537	[£] 141,360
February	428,810	13,735	7,749	[£] 6,071	[£] 126,730	4,019	[£] 129,640
March	474,754	29,621	8,398	[£] 6,535	[£] 138,899	4,548	[£] 143,530
2001 YTD	1,371,288	70,709	25,105	[£]19,141	[£]395,579	13,105	[£]414,530
2000 YTD	1,326,222	72,487	20,976	17,363	398,256	12,998	406,573
1999 YTD	1,338,576	69,281	27,763	15,243	374,765	12,565	390,298

See footnotes at end of table.

Table 7. Marketed Production of Natural Gas, by State, 1995-2001

(Million Cubic Feet) — Continued

Year and Month	Oregon	Texas ^c	Utah	Wyoming	Other ^a States	U.S. Total
1995 Total	1,923	6,330,048	241,290	673,775	759,728	19,506,474
1996 Total	1,439	6,470,620	250,767	666,036	805,491	19,812,241
1997 Total	1,173	6,453,873	257,139	738,368	736,679	19,866,093
1998 Total	1,067	6,318,754	277,340	761,313	704,742	19,645,554
1999						
January	83	526,872	23,467	68,995	73,022	1,693,142
February	84	482,797	21,141	63,372	64,209	1,530,761
March	120	528,147	23,878	69,149	67,861	1,700,709
April	111	509,507	22,076	65,885	64,148	1,620,068
May	113	526,194	22,771	63,061	65,032	1,656,660
June	111	504,194	21,828	68,120	63,027	1,615,119
July	110	524,016	21,707	66,954	64,718	1,662,881
August	74	513,844	21,493	68,293	63,445	1,650,681
September	90	499,047	19,725	68,694	64,276	1,594,165
October	124	517,242	21,610	72,965	70,415	1,652,589
November	134	495,575	21,364	70,952	68,512	1,601,317
December	138	490,218	21,554	76,691	71,915	1,617,763
Total	1,291	6,117,653	262,614	823,132	800,579	19,595,854
2000						
January	124	526,649	21,995	86,404	^E 75,054	^E 1,675,176
February	105	489,171	20,513	80,313	^E 66,471	^E 1,570,603
March	107	535,498	21,897	85,644	^E 71,039	^E 1,714,931
April	99	514,439	21,241	83,875	^E 67,479	^E 1,633,899
May	102	537,932	22,513	83,469	^E 68,351	^E 1,694,423
June	94	527,817	21,508	82,406	^E 65,614	^E 1,647,804
July	90	534,187	22,747	85,393	^E 67,413	^E 1,700,649
August	96	539,810	22,739	86,836	^E 66,494	^E 1,711,206
September	97	518,271	22,545	84,899	^E 65,743	^E 1,639,965
October	109	534,937	23,290	90,432	^E 72,477	^E 1,719,413
November	97	520,490	22,941	87,065	^E 69,533	^E 1,661,806
December	93	534,774	24,801	92,450	^E 73,488	^E 1,703,852
Total	1,214	6,313,975	268,730	1,029,185	^E829,157	^E20,073,727
2001						
January	^E 86	539,175	24,309	^E 90,291	^E 75,243	^E 1,731,457
February	^E 78	485,370	^R 22,368	^{RE} 87,238	^E 66,477	^{RE} 1,575,537
March	^E 93	536,836	^E 24,523	^E 87,947	^E 70,821	^E 1,733,992
2001 YTD	^E257	1,561,381	^E71,200	^E265,475	^E212,541	^E5,040,986
2000 YTD	336	1,551,318	64,405	252,360	^E212,564	^E4,960,709
1999 YTD	287	1,537,816	68,486	201,516	205,092	4,924,612

^a Includes Arkansas, Illinois, Indiana, Kentucky, Maryland, Missouri, Nebraska, Nevada, New York, Ohio, Pennsylvania, South Dakota, Tennessee, Virginia and West Virginia. The 2000 and later data monthly values for these States are estimated.

^b For Alabama and Louisiana, all data for 1995 through 1999 include Federal Offshore production. For 2000 and later, Alabama data do not include Federal Offshore production, while data for Louisiana include both the Louisiana and Alabama portions of Federal Offshore Production.

^c Federal offshore production volumes are included.

^R Revised Data.

^E Estimated Data.

^{RE} Revised Estimated Data.

Notes: Data for 1995 through 1999 are final. All other data are preliminary unless otherwise indicated. Totals may not equal sum of components because of independent rounding. See Appendix A, Explanatory Notes 1 and 3 for discussion of computation procedures and revision policy.

Sources: 1995-1999: Energy Information Administration (EIA), *Natural Gas Annual 1999*. January 2000 through current month: Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," Minerals Management Service reports, and EIA computations.

Table 8. Gross Withdrawals and Marketed Production of Natural Gas by State, March 2001

(Million Cubic Feet)

State	Gross Withdrawals			Repressuring	Nonhydrocarbon Gases Removed ^a	Vented and Flared	Marketed Production
	From Gas Wells	From Oil Wells	Total				
Alabama	£31,356	£453	£31,809	£980	£1,853	£82	£28,894
Alaska	£16,722	£289,044	£305,766	£263,633	0	£786	£41,347
Arizona	31	0	31	0	0	0	31
California	£7,775	£23,908	£31,683	£2,421	£160	£78	£29,024
Colorado	£59,028	£9,609	£68,637	£572	0	£72	£67,993
Florida	0	£804	£804	0	£92	0	£712
Kansas	35,891	3,702	39,593	67	0	40	39,486
Louisiana	417,780	62,804	480,585	3,769	0	2,062	474,754
Michigan	24,108	6,027	30,135	212	0	302	29,621
Mississippi	10,350	445	10,795	517	1,647	234	8,398
Montana	£5,757	£785	£6,542	£7	0	0	£6,535
New Mexico	£130,300	£18,206	£148,505	£903	£8,462	£241	£138,899
North Dakota	1,142	3,690	4,832	0	7	276	4,548
Oklahoma	£129,755	£13,775	£143,530	£0	£0	£0	£143,530
Oregon	£109	0	£109	0	£15	0	£93
Texas	475,991	115,176	591,167	38,257	13,587	2,487	536,836
Utah	£22,543	£2,993	£25,537	£45	0	£969	£24,523
Wyoming	£114,925	£9,075	124,000	£5,914	£15,172	£14,967	£87,947
Other States	£69,378	£2,581	£71,959	£73	£423	£642	£70,821
Total	£1,552,940	£563,077	£2,116,017	£317,370	£41,419	£23,236	£1,733,992

^a See Appendix A, Explanatory Note 1, for a discussion of data on Nonhydrocarbon Gases Removed.

^e Estimated Data.

Notes: All monthly data are considered preliminary until publication of the *Natural Gas Annual* for that year. Totals may not equal sum of components

because of independent rounding. See Appendix A, Explanatory Notes 1 and 3 for discussion of computation procedures and revision policy.

Source: Form EIA-895, "Monthly Quantity and Value of Natural Gas Report."

Table 9. Underground Natural Gas Storage - All Operators, 1995-2001

(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Underground Storage at End of Period			Change In Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total ^b	Volume	Percent	Injections	Withdrawals	Net Withdrawals ^c
1995 Total^a	4,349	2,153	6,503	-453	-17.4	2,566	2,974	408
1996 Total^a	4,341	2,173	6,513	19	0.9	2,906	2,911	6
1997 Total^a	4,350	2,175	6,525	2	0.1	2,800	2,824	24
1998 Total^a	4,326	2,730	7,056	554	25.5	2,905	2,379	-526
1999								
January	4,332	2,073	6,404	361	21.1	58	682	624
February	4,329	1,746	6,075	319	22.4	63	385	321
March	4,383	1,406	5,789	223	18.9	87	384	297
April	4,381	1,495	5,876	109	7.9	210	120	-90
May	4,371	1,835	6,206	61	3.4	381	45	-337
June	4,370	2,149	6,519	36	1.7	349	42	-307
July	4,370	2,379	6,749	-41	-2.0	298	81	-217
August	4,368	2,610	6,978	-88	-3.3	311	90	-221
September	4,369	2,923	7,292	-5	-0.2	358	43	-315
October	4,370	3,073	7,443	-118	-3.7	247	92	-155
November	4,380	3,065	7,445	-90	-2.8	173	205	32
December	4,383	2,523	6,906	-207	-7.6	63	606	543
Total	—	—	—	—	—	2,598	2,772	174
2000								
January	4,363	1,725	6,088	-370	-17.6	48	829	780
February	4,371	1,300	5,672	-491	-27.4	78	532	454
March	4,364	1,150	5,514	-280	-19.6	132	294	162
April	4,363	1,184	5,547	-329	-21.8	181	145	-36
May	4,356	1,426	5,782	-420	-22.8	308	75	-232
June	4,355	1,706	6,061	-450	-20.9	339	67	-272
July	4,355	1,996	6,351	-394	-16.5	368	77	-290
August	4,355	2,190	6,544	-442	-16.8	296	102	-193
September	4,354	2,473	6,827	-450	-15.4	354	72	-282
October	^d 4,354	^d 2,699	7,053	-374	-12.2	313	87	-227
November	^d 4,358	^d 2,443	6,801	-622	-20.3	108	401	293
December	^d 4,352	^d 1,720	6,072	-803	-31.8	65	755	690
Total	—	—	—	—	—	2,591	3,436	845
2001								
January	4,344	1,265	5,609	-459	-26.6	93	559	467
February	4,328	912	5,241	-388	-29.8	71	409	338
March	4,300	742	5,042	-408	-35.5	113	293	181
April	4,261	992	5,253	-192	-16.2	345	68	-276
May	4,309	1,440	5,749	14	1.0	488	41	-448
June(STIFS)	^{RE} 4,309	^{RE} 1,913	^{RE} 6,222	^{RE} 206	^{RE} 12.1	NA	NA	^E -473
July(STIFS)	^E 4,309	^E 2,333	^E 6,642	^E 337	^E 16.9	NA	NA	^E -420

^a Total as of December 31.^b Total underground storage capacity at the end of each calendar year (in billion cubic feet): 1995 - 7,953; 1996 - 7,980; 1997 - 8,332; 1998 - 8,179; 1999 - 8,229; and 2000 - 8,246.^c Negative numbers indicate the volume of injections in excess of withdrawals. Positive numbers indicate the volume of withdrawals in excess of injections.^d Reflects one respondent's reclassification of natural gas in underground storage from working gas to base gas.^E Estimated Data.^{RE} Revised Estimated Data.

NA Not Available.

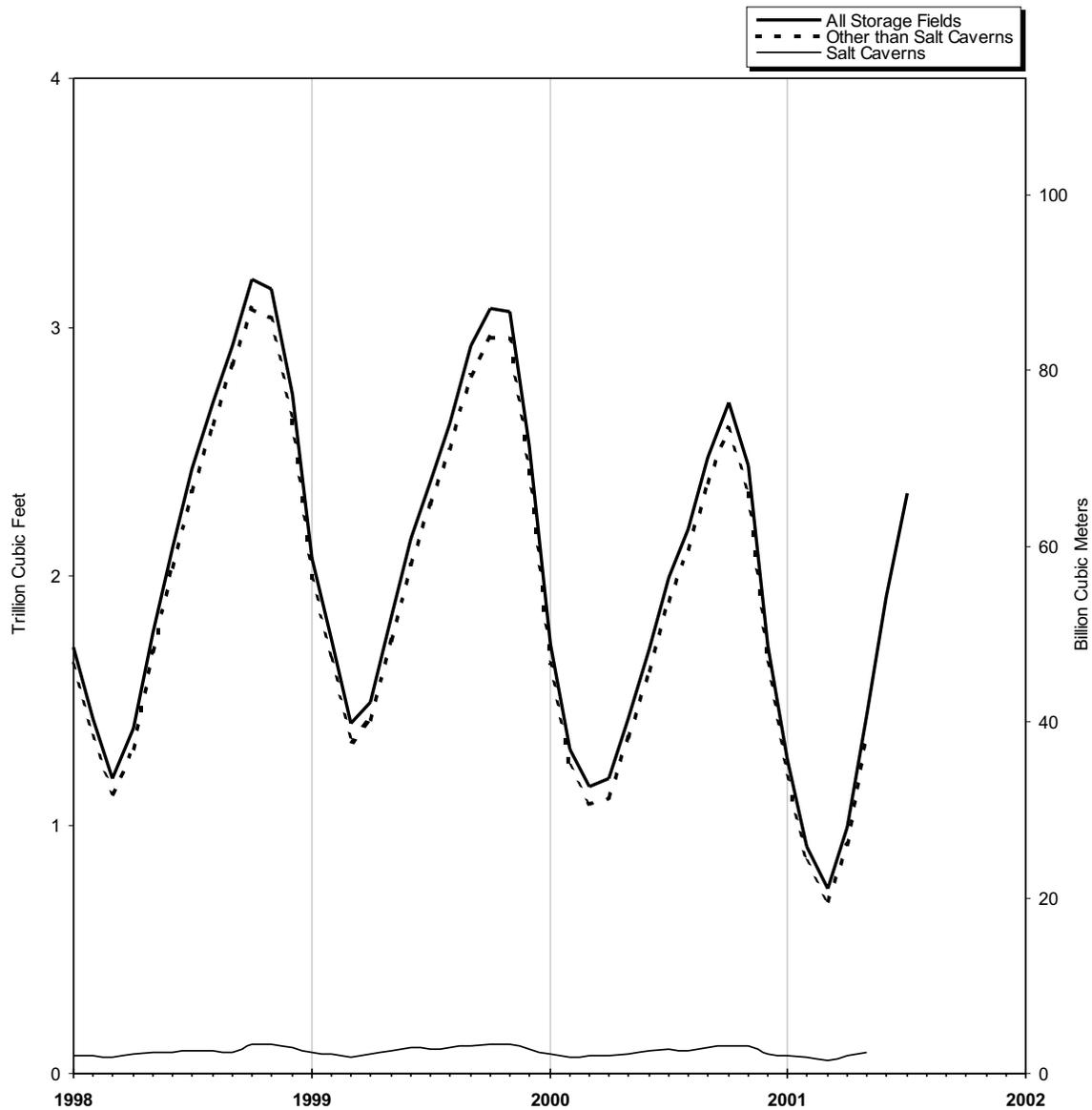
— Not Applicable.

Notes: Data for 1995 through 1999 are final. All other data are preliminary unless otherwise noted. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). See Explanatory Note 7 for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," and STIFS.

Figure 5

Figure 5. Working Gas in Underground Natural Gas Storage in the U.S., 1998-2001



Sources: Tables 10, 11 and 12.

Table 10. Underground Natural Gas Storage - by Season, 1998-2001
(Volumes in Billion Cubic Feet)

Year, Season and Month	Natural Gas in Underground Storage at End of Period			Change In Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals ^a
October 1998	4,342	3,191	7,533	302	10.6	308	46	-262
1998-1999 Heating Season								
November	4,344	3,155	7,499	453	16.9	137	168	31
December	4,326	2,730	7,056	554	25.5	83	519	436
January	4,332	2,073	6,404	361	21.1	58	682	624
February	4,329	1,746	6,075	319	22.4	63	385	321
March	4,383	1,406	5,789	223	18.9	87	384	297
Total	—	—	—	—	—	428	2,137	1,709
1999 Refill Season								
April	4,381	1,495	5,876	109	7.9	210	120	-90
May	4,371	1,835	6,206	61	3.4	381	45	-337
June	4,370	2,149	6,519	36	1.7	349	42	-307
July	4,370	2,379	6,749	-41	-2.0	298	81	-217
August	4,368	2,610	6,978	-88	-3.3	311	90	-221
September	4,369	2,923	7,292	-5	-0.2	358	43	-315
October	4,370	3,073	7,443	-118	-3.7	247	92	-155
Total	—	—	—	—	—	2,154	511	-1,643
1999-2000 Heating Season								
November	4,380	3,065	7,445	-90	-2.8	173	205	32
December	4,383	2,523	6,906	-207	-7.6	63	606	543
January	4,363	1,725	6,088	-370	-17.6	48	829	780
February	4,371	1,300	5,672	-491	-27.4	78	532	454
March	4,364	1,150	5,514	-280	-19.6	132	294	162
Total	—	—	—	—	—	494	2,465	1,971
2000 Refill Season								
April	4,363	1,184	5,547	-329	-21.8	181	145	-36
May	4,356	1,426	5,782	-420	-22.8	308	75	-232
June	4,355	1,706	6,061	-450	-20.9	339	67	-272
July	4,355	1,996	6,351	-394	-16.5	368	77	-290
August	4,355	2,190	6,544	-442	-16.8	296	102	-193
September	4,354	2,473	6,827	-450	-15.4	354	72	-282
October	^b 4,354	^b 2,699	7,053	-374	-12.2	313	87	-227
Total	—	—	—	—	—	2,158	625	-1,533
2000-2001 Heating Season								
November	^b 4,358	^b 2,443	6,801	-622	-20.3	108	401	293
December	^b 4,352	^b 1,720	6,072	-803	-31.8	65	755	690
January	4,344	1,265	5,609	-459	-26.6	93	559	467
February	4,328	912	5,241	-388	-29.8	71	409	338
March	4,300	742	5,042	-408	-35.5	113	293	181
Total	—	—	—	—	—	450	2,418	1,967
2001 Refill Season								
April	4,261	992	5,253	-192	-16.2	345	68	-276
May	4,309	1,440	5,749	14	1.0	488	41	-448
June(STIFS)	^{RE} 4,309	^{RE} 1,913	^{RE} 6,222	^{RE} 206	^{RE} 12.1	NA	NA	^E -473
July(STIFS)	^E 4,309	^E 2,333	^E 6,642	^E 337	^E 16.9	NA	NA	^E -420

^a Negative numbers indicate the volume of injections in excess of withdrawals. Positive numbers indicate the volume of withdrawals in excess of injections.

^b Reflects one respondent's reclassification of natural gas in underground storage from working gas to base gas.

^E Estimated Data.

^{RE} Revised Estimated Data.

NA Not Available.

— Not Applicable.

Notes: Data through 1999 are final. All other data are preliminary unless otherwise noted. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). See Explanatory Note

7 for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," and STIFS.

Table 11. Underground Natural Gas Storage - Salt Cavern Storage Fields, 1995-2001
(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Salt Cavern Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals
1995 Total^a	60	72	131	2	2.9	194	200	5
1996 Total^a	64	85	149	14	18.8	258	246	-13
1997 Total^a	67	83	150	-4	-3.0	267	274	6
1998 Total^a	67	104	171	21	26.0	297	275	-22
1999								
January	67	82	149	13	18.2	19	39	19
February	67	77	144	8	12.0	16	21	5
March	67	68	135	4	6.6	18	26	8
April	67	78	145	-3	-3.2	28	19	-9
May	67	94	161	12	14.2	29	12	-17
June	65	102	167	19	22.5	22	16	-6
July	65	96	161	5	5.5	16	25	8
August	66	102	168	10	10.7	23	16	-8
September	67	112	179	28	34.0	24	13	-10
October	67	115	182	-1	-0.6	23	21	-2
November	67	116	184	-2	-1.7	21	17	-4
December	69	100	169	-4	-4.0	19	35	16
Total	—	—	—	—	—	260	259	-1
2000								
January	68	75	143	-9	-10.4	15	49	34
February	69	66	135	-11	-14.4	23	21	-2
March	69	69	139	2	2.4	24	20	-4
April	70	74	144	-3	-3.8	24	19	-5
May	70	77	147	-17	-17.9	27	24	-3
June	70	89	160	-13	-12.6	28	15	-12
July	72	97	168	3	2.7	30	21	-9
August	72	88	161	-14	-13.5	21	30	9
September	72	101	172	-11	-9.9	30	18	-12
October	72	109	181	-6	-5.1	29	20	-9
November	69	111	180	-6	-4.8	22	24	2
December	70	75	145	-25	-25.4	19	53	34
Total	—	—	—	—	—	291	314	23
2001								
January	71	73	144	-2	-2.4	33	31	-1
February	69	67	136	1	1.1	19	27	8
March	69	53	122	-16	-23.6	20	34	14
April	69	71	140	-3	-4.4	33	15	-18
May	71	85	156	8	10.4	30	14	-16

^a Total as of December 31.

— Not Applicable.

Notes: Data for 1995 through 1999 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 7 for discussion of the reporting of underground storage information. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due

to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 12. Underground Natural Gas Storage - Storage Fields Other than Salt Caverns, 1995-2001

(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Non-Salt Cavern Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals
1995 Total^a	4,290	2,082	6,371	-455	-17.9	2,372	2,774	403
1996 Total^a	4,277	2,087	6,364	6	0.3	2,647	2,665	18
1997 Total^a	4,283	2,092	6,375	4	0.2	2,533	2,551	18
1998 Total^a	4,259	2,626	6,884	533	25.5	2,608	2,103	-504
1999								
January	4,264	1,991	6,255	348	21.2	39	643	604
February	4,262	1,669	5,931	311	22.9	47	364	317
March	4,316	1,338	5,654	219	19.5	69	358	289
April	4,314	1,417	5,731	112	8.6	182	101	-81
May	4,305	1,740	6,045	49	2.9	352	32	-319
June	4,305	2,047	6,352	17	0.8	327	26	-301
July	4,305	2,284	6,588	-46	-2.3	282	56	-226
August	4,302	2,508	6,810	-98	-3.8	288	74	-214
September	4,302	2,811	7,114	-33	-1.2	334	29	-305
October	4,303	2,958	7,261	-117	-3.8	224	71	-153
November	4,313	2,949	7,261	-88	-2.9	151	187	36
December	4,314	2,423	6,738	-202	-7.7	44	571	527
Total	—	—	—	—	—	2,338	2,512	175
2000								
January	4,295	1,649	5,944	-361	-17.9	33	779	746
February	4,302	1,234	5,537	-480	-28.0	55	511	455
March	4,295	1,080	5,375	-282	-20.7	109	274	166
April	4,293	1,110	5,403	-326	-22.7	156	126	-30
May	4,285	1,349	5,635	-403	-23.0	280	51	-229
June	4,284	1,617	5,902	-437	-21.3	312	52	-260
July	4,284	1,899	6,183	-397	-17.3	338	56	-282
August	4,283	2,101	6,384	-428	-16.9	275	73	-202
September	4,283	2,372	6,655	-439	-15.6	324	54	-270
October	^b 4,282	^b 2,590	6,872	-368	-12.4	285	66	-218
November	^b 4,289	^b 2,333	6,621	-616	-20.9	86	377	291
December	^b 4,282	^b 1,646	5,928	-778	-32.1	47	703	656
Total	—	—	—	—	—	2,299	3,122	822
2001								
January	4,273	1,192	5,465	-457	-27.7	60	528	468
February	4,259	846	5,105	-389	-31.5	52	382	330
March	4,232	688	4,920	-392	-36.3	93	259	166
April	4,192	921	5,113	-189	-17.0	312	54	-259
May	4,239	1,355	5,594	6	0.4	458	27	-432

^a Total as of December 31.

^b Reflects one respondent's reclassification of natural gas in underground storage from working gas to base gas.

— Not Applicable.

Notes: Data for 1995 through 1999 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 7 for discussion of the reporting of underground storage information. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the

quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 13. Net Withdrawals from Underground Storage, by State, 1999-2001

(Volumes in Million Cubic Feet)

State	2001					2000	
	May	April	March	February	January	Total	December
Alabama	44	-195	604	-241	330	442	85
Arkansas	-992	-604	139	391	785	3,033	2,077
California	-27,438	-17,361	-14,822	20,542	39,041	50,820	6,831
Colorado	-2,301	660	1,787	4,374	4,138	7,842	4,853
Illinois	-30,943	-12,251	14,412	43,450	42,940	21,522	49,879
Indiana	-1,372	1,366	2,616	3,544	4,279	3,461	7,070
Iowa	-5,532	-2,900	3,712	8,167	16,496	13,521	22,525
Kansas	-14,428	-11,364	4,933	16,056	-3,218	31,383	23,268
Kentucky	-11,456	-4,039	6,901	2,626	6,783	28,175	22,098
Louisiana	-25,730	-22,513	5,213	96	30,425	101,886	67,243
Maryland	-2,653	-1,402	1,215	2,382	2,235	4,700	5,242
Michigan	-71,545	-36,155	43,738	76,815	66,029	156,410	102,282
Minnesota	-152	23	154	323	489	418	604
Mississippi	-2,821	-8,549	10,930	1,071	2,828	2,237	14,226
Missouri	17	-51	1,242	379	-255	662	1,111
Montana	-2,902	-1	1,629	4,504	4,208	13,893	5,167
Nebraska	-1,908	-1,077	573	1,456	1,090	4,366	1,124
New Mexico	-2,645	-1,573	-1,851	-1,657	25	-570	417
New York	-13,541	-6,630	8,160	11,920	13,182	9,890	17,274
Ohio	-33,094	-15,734	22,906	27,160	41,777	56,994	60,771
Oklahoma	-28,938	-23,624	415	12,522	24,484	92,652	42,260
Oregon	-2,151	810	962	2,264	2,252	1,481	1,476
Pennsylvania	-66,462	-43,608	47,171	51,475	69,205	46,047	95,842
Tennessee	-113	-103	69	82	59	205	0
Texas	-40,985	-43,016	2,704	8,957	41,565	130,785	67,670
Utah	-7,254	-4,428	-2,807	4,031	12,277	7,354	10,929
Virginia	-532	-434	283	92	517	393	695
Washington	-8,283	-2,300	592	6,110	2,608	1,932	-1,986
West Virginia	-39,499	-18,243	16,521	26,341	36,787	44,507	55,093
Wyoming	-2,052	-1,073	534	2,586	3,225	8,584	3,622
AGA Regions							
Producing	-116,537	-111,243	22,484	37,436	96,894	361,405	217,161
Eastern Consuming	-278,588	-141,454	170,123	255,647	301,453	391,295	441,090
Western Consuming	-52,532	-23,671	-11,971	44,735	68,237	92,325	31,496
Total	-447,658	-276,368	180,636	337,818	466,585	845,025	689,747

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 1999-2001
(Volumes in Million Cubic Feet) — Continued

Table 13

State	2000						
	November	October	September	August	July	June	May
Alabama	203	142	110	0	-82	-594	-90
Arkansas	432	-397	-268	-680	-649	-444	-698
California	27,276	-10,226	-1,265	19,352	445	-6,789	-10,967
Colorado	3,997	-1,948	-2,199	-4,786	-4,625	-4,611	-751
Illinois	25,938	-34,383	-31,497	-28,597	-28,764	-33,160	-13,295
Indiana	-611	-4,337	-3,365	-2,742	-2,234	-1,939	-258
Iowa	10,744	-13,491	-12,835	-11,670	-10,921	-5,856	-4,399
Kansas	21,088	-18,798	-16,291	-987	-9,930	-9,788	-6,106
Kentucky	10,789	-8,493	-10,337	-6,477	-10,659	-6,185	-4,062
Louisiana	11,299	-18,447	-15,935	-12,898	-23,151	-22,366	-4,878
Maryland	1,346	-285	-44	-2,244	-2,002	-2,999	-2,480
Michigan	54,268	-37,909	-46,403	-52,904	-49,908	-45,556	-48,446
Minnesota	-92	-199	-266	-272	-343	-131	2
Mississippi	4,898	-4,385	-4,631	-3,417	-5,252	-5,226	-4,057
Missouri	-190	-353	-711	215	17	20	-25
Montana	3,716	49	-957	-2,261	-2,039	-456	522
Nebraska	1,622	-504	-764	225	-620	1,077	-78
New Mexico	-296	-906	-50	1,041	800	-794	-469
New York	5,063	-4,037	-7,910	-7,494	-10,087	-9,999	-8,663
Ohio	23,882	-10,000	-23,629	-24,973	-33,090	-21,527	-28,909
Oklahoma	16,069	-9,297	-14,618	1,344	-2,413	-9,952	-9,562
Oregon	798	143	0	-2,017	-2,209	-2,043	-869
Pennsylvania	21,847	-26,478	-47,291	-32,838	-52,073	-42,668	-52,902
Tennessee	0	-114	0	0	0	0	0
Texas	12,612	-13,107	-8,249	13,808	-1,272	-7,124	-2,892
Utah	9,079	1,050	-5,510	-6,540	-6,654	-5,712	-5,531
Virginia	344	-245	-201	-212	-214	-214	-278
Washington	3,781	1,188	-2,835	909	-3,739	-3,660	-2,639
West Virginia	20,779	-11,536	-23,871	-25,345	-28,215	-22,374	-18,051
Wyoming	2,005	341	-360	-897	-517	-1,168	-1,590
AGA Regions							
Producing	66,102	-65,338	-60,041	-1,789	-41,867	-55,693	-28,663
Eastern Consuming	176,022	-152,019	-208,748	-195,056	-228,850	-191,974	-181,936
Western Consuming	50,560	-9,603	-13,394	3,486	-19,680	-24,570	-21,823
Total	292,684	-226,961	-282,183	-193,359	-290,397	-272,238	-232,422

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 1999-2001

(Volumes in Million Cubic Feet) — Continued

State	2000				1999		
	April	March	February	January	Total	December	November
Alabama	66	-8	-307	916	-164	189	-134
Arkansas	-287	997	1,228	1,722	233	1,276	423
California	-19,885	-3,144	21,871	27,322	8,194	24,198	-4,553
Colorado	1,382	6,707	3,627	6,198	-1,502	5,058	-902
Illinois	13,190	8,776	34,403	59,032	-2,715	42,415	2,345
Indiana	1,350	2,031	1,448	7,049	-244	4,419	-2,227
Iowa	1,706	5,207	11,385	21,126	2,445	21,305	1,096
Kansas	2,275	11,548	9,643	25,461	15,568	22,458	873
Kentucky	3,470	6,759	10,109	21,162	2,725	10,737	2,295
Louisiana	9,828	19,976	38,771	52,444	9,530	39,997	6,656
Maryland	-633	-65	3,384	5,481	-63	1,420	460
Michigan	-6,666	44,807	80,436	162,410	32,938	105,683	6,548
Minnesota	116	301	298	401	-253	147	-128
Mississippi	527	-1,228	-595	11,377	14,502	9,530	-2,778
Missouri	103	-98	-548	1,122	-567	340	-174
Montana	621	2,164	3,191	4,177	7,884	2,618	1,154
Nebraska	-92	42	1,313	1,019	473	557	-252
New Mexico	-2,587	208	1,034	1,032	-2,289	814	-1,202
New York	-2,854	6,360	13,702	18,533	7,825	12,574	1,488
Ohio	-5,163	24,219	36,569	58,844	16,019	44,624	8,737
Oklahoma	-5,856	2,165	36,526	45,987	-6,703	19,463	-2,807
Oregon	783	1,766	1,566	2,088	-589	1,350	-593
Pennsylvania	-7,196	11,168	66,917	111,718	23,197	69,287	4,253
Tennessee	18	63	63	175	-34	164	56
Texas	-10,396	-9,237	34,595	54,376	5,985	38,524	-652
Utah	-4,447	3,012	7,585	10,093	9,193	12,584	957
Virginia	-114	32	105	695	92	455	181
Washington	-893	1,485	2,566	7,755	-1,213	1,577	-152
West Virginia	-4,487	14,440	30,334	57,742	34,622	46,561	10,665
Wyoming	507	1,332	2,373	2,935	-1,063	2,359	539
AGA Regions							
Producing	-6,496	24,430	121,202	192,398	36,826	132,062	515
Eastern Consuming	-7,304	123,733	289,313	527,024	116,549	360,730	35,337
Western Consuming	-21,815	13,622	43,076	60,969	20,650	49,889	-3,678
Total	-35,615	161,785	453,592	780,391	174,025	542,681	32,174

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 1999-2001
(Volumes in Million Cubic Feet) — Continued

State	1999					
	October	September	August	July	June	May
Alabama	77	-402	-81	-235	-210	-471
Arkansas	-219	-237	-901	-1,116	-1,086	-1,045
California	-4,598	-9,527	3,398	-10,930	-20,225	-26,494
Colorado	-2,450	-4,903	-5,456	-6,717	-5,545	-330
Illinois	-31,518	-38,163	-32,748	-25,990	-25,952	-25,941
Indiana	-3,862	-4,404	-2,939	-1,815	-1,755	-839
Iowa	-10,941	-13,108	-11,316	-10,783	-6,837	-4,596
Kansas	-1,078	-14,542	-9,853	-3,081	-17,117	-12,184
Kentucky	-1,066	-9,932	-1,223	-3,733	-9,995	-8,182
Louisiana	-11,735	-32,398	-3,887	-3,692	-20,249	-22,462
Maryland	-3,376	-1,411	-1,953	1,324	93	-2,551
Michigan	-24,215	-49,773	-56,778	-40,734	-50,367	-48,216
Minnesota	-175	-272	-250	-308	-172	0
Mississippi	1,041	-2,219	-1,267	927	-3,757	-5,165
Missouri	-205	-408	-64	6	6	-697
Montana	493	-1,484	-2,544	-1,795	-1,786	-577
Nebraska	-440	-1,645	-949	522	-651	-655
New Mexico	-259	-2,232	-841	-172	-443	-1,371
New York	-948	-5,728	-6,898	-5,916	-6,912	-9,939
Ohio	-9,815	-25,793	-28,634	-28,566	-28,724	-34,597
Oklahoma	-11,571	-15,615	501	-979	-9,663	-13,960
Oregon	0	-1,546	-1,316	-2,119	-2,018	164
Pennsylvania	-19,029	-41,496	-35,101	-27,893	-36,043	-46,154
Tennessee	-57	-105	-104	-76	-107	-143
Texas	-12,103	-10,456	9,511	-6,126	-21,731	-31,047
Utah	-1,889	-4,860	-4,582	-7,489	-5,915	-3,772
Virginia	-109	-414	-207	-211	-213	-271
Washington	-1,462	-477	-477	-3,748	-1,875	-875
West Virginia	-3,320	-20,427	-23,063	-23,750	-26,485	-32,055
Wyoming	-307	-1,030	-1,371	-2,294	-1,662	-2,133
AGA Regions						
Producing	-35,924	-77,700	-6,737	-14,239	-74,047	-87,235
Eastern Consuming	-108,825	-213,208	-202,059	-167,850	-194,151	-215,308
Western Consuming	-10,388	-24,100	-12,599	-35,399	-39,197	-34,017
Total	-155,137	-315,007	-221,395	-217,488	-307,395	-336,560

Notes: This table contains total net withdrawals for each State with natural gas storage facilities. Positive numbers indicate the volume of withdrawals in excess of injections. Negative values indicate the volume of injections in excess of withdrawals. Data through 1999 are final. All other data are preliminary at this time and are not considered final until publication of the *Natural Gas Annual* for that year. The American Gas Association (AGA) publishes weekly estimates of working gas levels in underground storage by

region. AGA defines the Producing Region as Texas, Oklahoma, Kansas, New Mexico, Louisiana, Arkansas, and Mississippi; the Eastern Consuming Region as all States east of the Mississippi River less Mississippi, plus Iowa, Nebraska and Missouri; the Western Consuming Region as all States west of the Mississippi River less the Producing Region and Iowa, Nebraska and Missouri.

Source: Form EIA-191, "Monthly Underground Gas Storage Report."

Table 14. Activities of Underground Natural Gas Storage Operators, by State, May 2001

(Volumes in Million Cubic Feet)

State	Total Storage Capacity	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity	
		Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals
Alabama	3,280	1,190	807	1,997	-395	-32.8	207	251
Arkansas	24,191	8,715	4,117	12,832	-268	-6.1	992	0
California	388,370	246,825	118,670	365,495	-35,157	-22.9	28,922	1,484
Colorado	99,600	48,255	19,529	67,784	-2	0.0	3,930	1,629
Illinois	898,565	668,481	114,242	782,723	29,941	35.5	34,222	3,278
Indiana	113,210	73,718	17,413	91,131	-2,112	-10.8	1,560	188
Iowa	273,200	197,715	12,182	209,897	477	4.1	6,307	776
Kansas	301,102	178,174	46,363	224,537	11,857	34.4	15,441	1,013
Kentucky	219,908	109,274	61,815	171,089	7,420	13.6	11,771	315
Louisiana	564,062	269,096	117,241	386,337	31,452	36.7	30,899	5,169
Maryland	62,000	46,677	6,409	53,087	-803	-11.1	2,672	20
Michigan	1,071,699	455,680	211,415	667,094	-67,522	-24.2	80,717	9,172
Minnesota	7,000	4,840	711	5,551	-355	-33.3	152	0
Mississippi	134,012	77,764	31,391	109,155	-291	-0.9	3,876	1,055
Missouri	31,274	21,600	7,834	29,434	-1,441	-15.5	0	17
Montana	371,510	167,342	17,058	184,400	-10,668	-38.5	3,215	314
Nebraska	39,469	26,995	3,680	30,675	1,812	97.0	1,985	77
New Mexico	96,600	29,766	8,911	38,676	-619	-6.5	2,767	122
New York	175,129	96,042	39,878	135,919	4,426	12.5	13,723	182
Ohio	575,384	344,076	55,936	400,012	385	0.7	33,713	619
Oklahoma	394,827	200,968	75,648	276,616	8,858	13.3	30,257	1,319
Oregon	13,342	9,352	3,401	12,752	1,169	52.4	2,151	0
Pennsylvania	684,842	352,389	180,832	533,220	19,744	12.3	69,033	2,571
Tennessee	1,200	340	525	865	153	41.3	113	0
Texas	701,226	249,848	168,758	418,606	-10,719	-6.0	51,911	10,926
Utah	121,980	64,601	20,491	85,092	1,499	7.9	7,316	61
Virginia	4,669	2,312	1,477	3,788	-165	-10.1	532	0
Washington	37,300	19,000	15,603	34,603	7,412	90.5	8,283	0
West Virginia	733,158	277,553	66,822	344,375	23,800	55.3	39,620	121
Wyoming	105,869	60,782	10,940	71,722	-6,201	-36.2	2,067	15
AGA Regions								
Producing	2,216,020	1,014,331	452,428	1,466,759	40,270	9.8	136,141	19,604
Eastern Consuming	4,886,987	2,674,041	781,266	3,455,307	15,720	2.1	296,175	17,586
Western Consuming	1,144,971	620,996	206,402	827,397	-42,303	-17.0	56,035	3,503
Total	8,247,978	4,309,369	1,440,096	5,749,464	13,686	1.0	488,351	40,693

Notes: Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. The American Gas Association (AGA) publishes weekly estimates of working

gas levels in underground storage by region. AGA defines the Producing Region as Texas, Oklahoma, Kansas, New Mexico, Louisiana, Arkansas, and Mississippi; the Eastern Consuming Region as all States east of the Mississippi River less Mississippi, plus Iowa, Nebraska and Missouri; the Western Consuming Region as all States west of the Mississippi River less the Producing Region and Iowa, Nebraska and Missouri.

Source: Form EIA-191, "Monthly Underground Gas Storage Report."

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1999-2001
(Million Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001		
				April	March	February
Alabama	31,886	26,047	25,465	4,605	5,643	8,644
Alaska	6,695	7,236	8,282	1,182	1,813	1,824
Arizona	22,075	18,666	18,956	2,824	5,439	7,072
Arkansas	NA	NA	23,184	NA	NA	NA
California	256,046	233,822	295,900	41,474	58,633	71,182
Colorado	70,974	60,276	60,175	12,557	17,892	18,423
Connecticut	24,418	23,442	22,724	3,644	6,135	6,215
Delaware	6,271	5,623	5,601	1,048	1,564	1,715
District of Columbia	9,491	8,633	8,822	1,390	2,178	2,544
Florida	8,806	7,214	6,612	1,310	1,510	2,635
Georgia	NA	64,235	51,621	NA	17,069	16,513
Hawaii	186	192	187	47	49	43
Idaho	11,125	9,792	9,879	1,794	2,379	3,455
Illinois	246,037	229,541	248,116	26,454	61,269	72,405
Indiana	NA	85,775	91,781	NA	NA	NA
Iowa	44,531	38,122	42,175	5,559	11,095	13,101
Kansas	47,407	40,520	42,381	5,758	11,650	12,213
Kentucky	33,273	32,327	33,532	2,488	9,204	8,955
Louisiana	NA	24,070	24,855	3,698	NA	8,840
Maine	NA	547	505	NA	NA	NA
Maryland	49,116	45,383	43,272	6,713	11,619	12,948
Massachusetts	NA	63,796	51,778	NA	NA	NA
Michigan	213,173	196,480	207,160	33,454	55,739	55,540
Minnesota	73,072	NA	66,362	9,565	17,617	22,678
Mississippi	NA	NA	14,612	1,958	NA	4,756
Missouri	77,642	64,277	70,470	9,594	17,971	21,190
Montana	11,095	9,593	9,961	1,906	2,583	3,330
Nebraska	28,048	24,200	24,116	4,461	6,229	7,494
Nevada	18,549	15,015	15,279	2,470	3,974	6,569
New Hampshire	NA	4,083	3,946	NA	839	NA
New Jersey	129,335	118,598	125,979	20,570	32,905	33,583
New Mexico	16,380	16,504	17,388	1,948	2,762	5,561
New York	NA	NA	216,069	NA	NA	NA
North Carolina	39,885	36,828	33,394	5,034	7,881	12,316
North Dakota	5,799	NA	6,081	818	1,267	1,934
Ohio	208,157	179,946	186,617	30,542	48,402	56,629
Oklahoma	41,397	34,847	39,073	5,668	9,987	12,033
Oregon	NA	20,846	21,381	3,921	5,075	5,941
Pennsylvania	NA	NA	142,208	NA	NA	NA
Rhode Island	11,451	10,750	10,150	2,133	2,881	2,966
South Carolina	18,309	16,783	15,854	2,463	3,238	4,689
South Dakota	7,145	6,339	6,862	1,039	1,770	2,172
Tennessee	43,722	38,023	38,317	4,070	9,693	10,443
Texas	NA	96,172	101,040	15,626	NA	37,148
Utah	27,960	25,116	26,637	4,120	5,561	8,187
Vermont	1,727	1,638	1,532	316	420	446
Virginia	46,512	42,780	40,932	5,712	10,828	12,695
Washington	NA	36,860	37,965	NA	NA	NA
West Virginia	NA	NA	19,560	3,502	NA	5,442
Wisconsin	74,767	68,349	69,274	8,545	21,640	21,778
Wyoming	5,615	5,995	6,291	803	1,101	1,846
Total	2,856,505	2,569,725	2,690,311	403,855	687,252	785,718

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1999-2001
(Million Cubic Feet) — Continued

State	2001	2000				
	January	Total	December	November	October	September
Alabama	12,994	46,063	8,330	2,882	1,689	1,153
Alaska	1,876	15,979	2,013	1,748	1,454	927
Arizona	6,739	34,664	6,038	2,951	1,133	1,028
Arkansas	NA	NA	NA	NA	NA	NA
California	84,757	516,494	68,423	52,076	31,726	24,480
Colorado	22,102	116,337	20,828	10,867	5,548	2,717
Connecticut	8,425	42,440	6,804	3,824	2,280	992
Delaware	1,943	9,464	1,403	615	269	172
District of Columbia	3,379	14,951	2,479	1,037	537	365
Florida	3,351	14,907	1,932	992	826	698
Georgia	28,880	144,499	35,319	16,674	7,019	4,473
Hawaii	48	535	44	42	41	41
Idaho	3,497	18,948	3,446	2,107	843	475
Illinois	85,909	466,956	99,505	55,887	21,831	12,372
Indiana	NA	NA	32,801	15,546	NA	NA
Iowa	14,777	73,842	15,570	8,096	3,114	1,710
Kansas	17,787	72,502	14,361	5,608	2,472	1,546
Kentucky	^R 12,626	65,163	15,409	8,301	2,804	1,452
Louisiana	13,197	NA	NA	3,719	2,306	1,678
Maine	NA	1,026	176	96	63	32
Maryland	17,836	83,909	15,390	7,983	3,747	2,026
Massachusetts	NA	113,063	15,468	9,047	4,841	2,933
Michigan	68,440	360,389	63,508	31,180	17,230	9,109
Minnesota	23,212	NA	26,916	14,938	6,182	3,273
Mississippi	7,902	NA	5,352	1,704	NA	NA
Missouri	28,888	NA	23,707	9,442	NA	2,545
Montana	3,276	19,593	3,393	2,349	1,275	595
Nebraska	9,864	41,725	6,875	3,636	1,887	1,053
Nevada	5,536	30,286	4,950	3,228	1,399	1,023
New Hampshire	NA	7,230	1,033	566	302	182
New Jersey	42,276	218,028	37,212	18,949	10,068	5,917
New Mexico	6,109	NA	6,447	4,655	2,500	1,214
New York	NA	NA	NA	NA	NA	NA
North Carolina	14,653	65,084	12,769	6,086	2,498	1,072
North Dakota	1,781	NA	1,931	1,136	593	255
Ohio	72,584	329,733	61,643	29,887	15,638	7,550
Oklahoma	13,710	63,795	13,046	4,823	2,252	1,369
Oregon	NA	39,022	6,064	3,572	1,889	982
Pennsylvania	NA	NA	46,594	24,010	NA	6,975
Rhode Island	3,471	18,731	2,564	1,262	722	506
South Carolina	7,919	29,108	6,068	2,032	1,011	536
South Dakota	2,165	12,609	2,621	1,375	601	277
Tennessee	19,516	NA	15,017	5,128	2,318	1,213
Texas	54,652	NA	36,851	NA	8,224	5,631
Utah	10,092	55,624	9,652	8,378	3,824	2,415
Vermont	544	2,843	376	210	124	72
Virginia	17,278	NA	16,072	8,033	NA	1,685
Washington	NA	NA	NA	NA	NA	1,997
West Virginia	6,923	NA	5,341	2,181	1,375	600
Wisconsin	22,803	135,198	27,689	15,485	6,823	3,580
Wyoming	1,865	NA	2,088	1,283	736	387
Total	^R 979,681	^R 4,946,295	901,921	474,119	234,380	139,387

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1999-2001
(Million Cubic Feet) — Continued

State	2000					
	August	July	June	May	April	March
Alabama	1,126	1,218	1,351	2,267	3,391	4,694
Alaska	618	474	645	864	1,233	1,764
Arizona	956	1,053	1,245	1,596	2,814	4,430
Arkansas	NA	NA	NA	NA	NA	NA
California	22,101	24,464	27,655	31,747	39,017	62,814
Colorado	2,579	3,032	4,125	6,365	11,312	13,648
Connecticut	622	961	1,270	2,244	3,216	5,018
Delaware	187	246	294	655	985	1,178
District of Columbia	346	367	470	717	1,232	1,691
Florida	698	738	836	973	1,140	1,631
Georgia	4,045	3,865	4,066	4,803	8,727	11,080
Hawaii	39	44	45	47	46	48
Idaho	343	430	621	892	1,663	2,210
Illinois	10,584	9,555	12,058	15,622	35,416	45,616
Indiana	2,922	2,935	3,693	6,240	12,785	16,174
Iowa	1,410	1,551	1,611	2,658	5,392	7,679
Kansas	1,280	1,697	1,917	3,099	5,994	8,529
Kentucky	1,238	1,078	1,131	1,424	4,135	6,224
Louisiana	NA	NA	1,798	1,986	3,693	4,355
Maine	0	27	31	53	89	123
Maryland	1,921	1,913	2,233	3,313	6,430	8,673
Massachusetts	2,580	2,764	4,154	7,480	10,228	13,787
Michigan	7,401	7,668	9,582	18,230	32,413	42,048
Minnesota	2,774	2,875	3,369	4,940	9,700	12,806
Mississippi	669	724	805	1,147	NA	2,481
Missouri	2,706	2,475	2,178	4,816	9,181	12,838
Montana	381	470	590	947	1,514	2,231
Nebraska	774	897	977	1,426	4,515	5,735
Nevada	909	1,009	1,184	1,568	2,027	3,711
New Hampshire	143	178	293	451	641	938
New Jersey	5,098	4,982	6,198	11,007	17,683	25,174
New Mexico	983	NA	1,646	1,163	3,438	3,447
New York	NA	NA	NA	NA	NA	NA
North Carolina	1,030	1,025	1,510	2,265	4,531	7,685
North Dakota	227	212	333	502	929	1,323
Ohio	6,712	7,200	7,670	13,488	27,892	37,454
Oklahoma	1,369	1,586	1,821	2,683	5,193	7,170
Oregon	806	1,003	1,537	2,322	3,493	5,032
Pennsylvania	5,640	NA	NA	NA	NA	29,809
Rhode Island	451	482	715	1,279	1,812	2,581
South Carolina	468	494	576	1,140	1,917	2,877
South Dakota	243	248	333	573	1,059	1,360
Tennessee	1,102	1,208	NA	2,544	4,625	6,488
Texas	NA	NA	6,864	8,138	14,250	17,287
Utah	1,444	1,492	1,494	1,809	2,967	6,792
Vermont	62	70	110	179	268	396
Virginia	1,468	1,654	1,898	3,000	5,637	8,520
Washington	1,593	1,971	3,039	4,523	6,483	8,965
West Virginia	536	521	749	1,902	2,496	NA
Wisconsin	2,896	2,699	2,658	5,018	11,182	13,084
Wyoming	NA	304	407	658	1,227	1,441
Total	121,130	127,229	153,224	225,181	394,278	545,694

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1999-2001
(Million Cubic Feet) — Continued

State	2000		1999			
	February	January	Total	December	November	October
Alabama	9,492	8,470	42,647	5,754	3,069	1,560
Alaska	1,885	2,354	17,634	2,466	2,127	1,423
Arizona	4,618	6,804	32,940	4,642	1,682	1,165
Arkansas	NA	NA	36,245	5,037	1,216	1,264
California	65,301	66,689	568,496	65,679	34,488	25,265
Colorado	16,327	18,989	111,748	14,763	8,173	5,565
Connecticut	7,692	7,516	38,364	4,810	3,064	1,522
Delaware	1,661	1,800	8,862	1,116	576	278
District of Columbia	3,013	2,698	14,147	1,714	1,029	484
Florida	2,360	2,084	13,797	1,572	1,020	731
Georgia	17,688	26,740	98,777	18,610	10,635	5,974
Hawaii	49	48	524	42	36	44
Idaho	2,602	3,317	17,912	2,514	1,530	869
Illinois	63,987	84,522	445,217	73,482	38,571	26,435
Indiana	25,965	30,851	151,529	22,735	11,571	7,273
Iowa	10,990	14,061	71,430	10,631	5,602	3,465
Kansas	12,303	13,693	68,146	9,040	3,997	2,658
Kentucky	8,287	13,682	59,220	10,790	5,413	2,631
Louisiana	7,622	8,400	45,104	5,940	2,935	1,958
Maine	133	202	957	151	93	69
Maryland	14,316	15,964	74,848	10,665	6,268	3,540
Massachusetts	21,025	18,756	105,709	16,601	9,964	5,925
Michigan	58,759	63,259	350,735	47,495	29,784	18,416
Minnesota	NA	NA	118,938	18,639	10,624	7,112
Mississippi	4,931	5,121	24,562	3,314	1,685	903
Missouri	^R 21,101	21,157	112,042	14,535	6,882	4,174
Montana	2,729	3,119	19,676	2,840	1,983	1,335
Nebraska	6,728	7,223	40,588	5,137	2,733	2,128
Nevada	3,861	5,416	28,772	4,396	1,998	1,208
New Hampshire	1,274	1,229	6,613	783	549	325
New Jersey	37,760	37,980	209,399	22,890	18,160	10,322
New Mexico	4,437	5,183	35,548	6,263	4,083	2,280
New York	NA	NA	370,711	46,142	28,487	17,677
North Carolina	13,396	11,216	52,853	6,912	3,942	1,679
North Dakota	1,698	NA	10,573	1,380	869	657
Ohio	52,516	62,083	318,214	46,532	27,700	17,303
Oklahoma	11,476	11,008	61,611	7,670	3,185	2,108
Oregon	5,678	6,643	38,564	5,391	3,108	1,617
Pennsylvania	NA	48,155	241,468	34,106	19,812	12,407
Rhode Island	3,500	2,857	16,601	1,736	1,227	691
South Carolina	6,438	5,552	25,669	3,799	2,093	734
South Dakota	1,772	2,149	11,766	1,628	918	607
Tennessee	12,515	14,395	60,561	8,802	4,521	1,909
Texas	31,342	33,292	175,907	22,736	11,193	7,143
Utah	7,038	8,319	55,474	9,614	5,321	3,567
Vermont	510	465	2,565	293	212	123
Virginia	13,778	14,846	69,189	10,575	5,985	2,943
Washington	10,074	11,338	71,704	9,745	6,596	4,024
West Virginia	6,316	5,319	31,403	4,195	2,541	1,339
Wisconsin	18,644	25,439	127,607	21,737	11,440	7,969
Wyoming	1,666	1,661	12,106	1,568	903	717
Total	^R 770,799	858,953	4,725,672	659,606	371,595	233,508

^R Revised Data.

NA Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and

revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1999-2001
(Million Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001		
				April	March	February
Alabama	14,106	12,412	12,491	2,248	2,858	3,782
Alaska	7,138	8,812	11,949	1,410	1,894	1,839
Arizona	14,015	13,886	13,651	2,810	3,466	3,759
Arkansas	NA	NA	14,958	NA	NA	NA
California	95,968	92,650	105,632	19,621	22,690	25,858
Colorado	37,005	30,092	30,044	6,845	9,385	8,579
Connecticut	22,611	21,826	22,294	4,268	5,652	5,993
Delaware	3,767	2,771	3,659	663	1,007	952
District of Columbia	8,835	8,375	9,365	1,937	2,198	2,271
Florida	19,716	18,659	15,387	4,379	4,637	5,151
Georgia	NA	26,957	23,436	NA	6,576	6,466
Hawaii	609	598	599	150	154	151
Idaho	7,342	6,484	6,569	1,193	1,594	2,238
Illinois	102,906	96,796	100,922	12,159	26,168	30,068
Indiana	NA	42,167	41,881	NA	NA	NA
Iowa	26,823	22,115	25,068	3,538	6,633	7,762
Kansas	23,645	20,224	21,217	3,107	5,747	6,595
Kentucky	20,693	18,870	19,316	2,360	4,906	^R 5,480
Louisiana	NA	11,485	11,231	2,238	NA	3,437
Maine	NA	1,475	1,350	NA	NA	NA
Maryland	27,896	29,084	29,516	4,619	6,629	7,092
Massachusetts	NA	29,523	33,412	NA	7,177	7,491
Michigan	102,194	95,147	98,697	16,610	25,979	27,509
Minnesota	51,914	NA	46,608	7,444	13,019	15,176
Mississippi	NA	9,406	9,536	1,579	NA	3,331
Missouri	39,483	32,961	35,722	5,395	9,201	10,942
Montana	7,347	6,665	6,097	1,254	965	2,796
Nebraska	15,131	14,336	15,904	2,466	4,218	4,666
Nevada	12,165	10,308	9,818	1,970	2,549	4,788
New Hampshire	NA	4,250	4,066	NA	NA	NA
New Jersey	108,937	110,026	91,581	17,571	25,057	30,057
New Mexico	13,119	11,720	12,724	2,600	2,510	3,989
New York	128,596	NA	152,212	24,580	32,454	34,172
North Carolina	20,846	22,071	19,936	3,190	4,630	5,346
North Dakota	5,410	NA	5,580	810	1,029	1,791
Ohio	110,990	97,327	94,949	16,115	25,099	32,534
Oklahoma	25,965	20,210	22,329	4,146	5,609	6,964
Oregon	14,480	14,070	14,699	2,755	3,470	3,967
Pennsylvania	NA	75,784	75,684	11,975	NA	NA
Rhode Island	7,343	7,035	6,387	1,382	1,882	1,930
South Carolina	10,161	9,828	9,482	1,834	2,195	2,542
South Dakota	5,394	5,045	5,272	802	1,404	1,676
Tennessee	29,295	27,634	27,962	3,611	6,121	7,729
Texas	NA	74,545	73,359	22,989	NA	43,576
Utah	15,959	14,392	14,755	2,538	3,315	4,551
Vermont	1,453	1,417	1,288	276	356	374
Virginia	NA	30,290	30,924	NA	7,199	7,950
Washington	NA	24,252	25,575	NA	NA	NA
West Virginia	NA	13,333	13,448	2,849	NA	3,687
Wisconsin	43,594	41,336	43,806	5,576	12,678	12,108
Wyoming	6,538	4,815	4,855	919	1,891	2,120
Total	1,650,227	1,535,065	1,527,202	261,495	395,833	^R 456,943

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1999-2001
(Million Cubic Feet) — Continued

State	2001	2000				
	January	Total	December	November	October	September
Alabama	5,218	25,185	3,651	1,845	1,380	1,087
Alaska	1,995	21,219	2,484	2,103	2,105	1,278
Arizona	3,981	32,307	3,681	2,424	2,035	1,929
Arkansas	NA	NA	NA	NA	NA	NA
California	27,800	240,909	24,301	23,524	16,991	17,718
Colorado	12,196	61,556	10,012	6,022	3,486	1,904
Connecticut	6,697	48,613	6,638	4,379	3,146	2,232
Delaware	1,145	5,163	709	424	236	58
District of Columbia	2,429	17,724	2,176	1,239	959	894
Florida	5,549	49,326	4,957	4,117	3,661	3,571
Georgia	10,029	60,237	11,824	6,318	3,216	2,384
Hawaii	154	1,771	145	152	146	145
Idaho	2,318	^R 13,261	^R 2,097	1,410	687	502
Illinois	34,511	201,517	37,496	21,391	10,573	7,562
Indiana	NA	NA	16,785	8,512	NA	NA
Iowa	8,891	46,335	9,104	4,893	2,290	1,503
Kansas	8,195	40,189	7,209	3,413	1,763	1,540
Kentucky	^R 7,947	^R 38,763	8,027	3,907	1,823	1,263
Louisiana	4,954	NA	NA	2,069	1,688	1,491
Maine	NA	2,669	439	249	154	81
Maryland	9,556	59,103	8,426	5,101	2,922	2,569
Massachusetts	NA	61,585	8,299	5,129	3,223	3,251
Michigan	32,095	183,804	29,165	15,101	9,202	6,583
Minnesota	16,275	NA	16,769	10,487	5,033	3,219
Mississippi	4,471	NA	3,555	1,805	NA	NA
Missouri	13,945	63,670	10,923	5,128	3,219	1,862
Montana	2,333	^R 13,701	2,147	1,459	887	^R 449
Nebraska	3,782	28,734	5,255	2,121	1,234	1,004
Nevada	2,858	25,315	2,753	2,395	1,744	1,473
New Hampshire	NA	8,220	977	931	417	295
New Jersey	36,251	NA	29,779	15,977	9,267	NA
New Mexico	4,021	NA	3,854	NA	1,500	1,573
New York	37,390	NA	37,431	NA	NA	NA
North Carolina	7,680	43,706	6,845	3,985	2,197	1,698
North Dakota	1,780	NA	1,984	1,149	570	330
Ohio	37,242	183,650	29,626	17,192	8,767	5,450
Oklahoma	9,246	41,556	6,865	3,044	2,005	1,950
Oregon	4,288	28,806	4,043	2,451	1,713	1,147
Pennsylvania	NA	NA	23,174	13,146	NA	NA
Rhode Island	2,149	13,167	1,775	1,012	675	484
South Carolina	3,589	21,928	3,097	1,773	1,332	1,161
South Dakota	1,512	NA	1,933	NA	482	293
Tennessee	11,835	NA	8,613	4,426	2,405	2,325
Texas	49,927	NA	24,693	14,437	11,190	11,622
Utah	5,556	31,249	5,189	4,323	1,989	1,301
Vermont	447	2,595	327	212	127	87
Virginia	10,207	NA	10,152	6,306	NA	2,663
Washington	NA	NA	NA	NA	NA	2,152
West Virginia	4,508	27,840	3,637	2,292	1,697	1,270
Wisconsin	13,232	83,990	15,693	9,227	4,380	2,582
Wyoming	1,608	^R 9,738	1,356	1,075	630	^R 382
Total	^R535,957	^R3,325,371	^R478,096	297,745	192,848	^R161,274

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1999-2001
(Million Cubic Feet) — Continued

State	2000					
	August	July	June	May	April	March
Alabama	1,038	1,097	1,202	1,472	1,989	2,485
Alaska	1,079	1,036	844	1,477	1,688	2,242
Arizona	1,894	1,988	2,144	2,327	2,877	3,496
Arkansas	NA	NA	NA	NA	NA	NA
California	17,134	16,242	15,268	17,080	19,106	23,659
Colorado	1,846	2,064	2,568	3,561	5,941	7,294
Connecticut	2,329	2,450	2,271	3,341	3,783	5,601
Delaware	186	196	229	354	502	453
District of Columbia	861	889	985	1,347	1,717	2,045
Florida	3,354	3,503	3,580	3,924	4,240	4,580
Georgia	2,213	2,248	2,369	2,709	4,231	5,151
Hawaii	141	146	151	148	146	150
Idaho	414	451	545	672	1,120	1,486
Illinois	6,730	6,291	6,371	8,308	15,383	19,454
Indiana	2,519	2,427	2,740	3,641	6,486	8,474
Iowa	1,110	1,443	1,316	2,561	3,336	4,411
Kansas	1,397	1,470	1,430	1,745	3,025	4,385
Kentucky	1,074	1,089	1,181	1,529	2,569	3,778
Louisiana	1,395	1,566	1,659	1,841	2,249	2,343
Maine	0	85	81	104	271	341
Maryland	2,215	2,235	2,799	3,752	5,006	6,603
Massachusetts	2,311	2,495	3,051	4,302	5,854	6,920
Michigan	6,066	5,403	6,852	10,284	16,304	21,785
Minnesota	3,029	2,944	2,934	4,057	7,529	9,700
Mississippi	945	981	992	1,296	1,564	1,889
Missouri	2,024	2,131	2,305	3,115	4,659	7,275
Montana	^R 351	^R 423	547	773	1,123	1,540
Nebraska	960	963	1,325	1,536	2,418	3,288
Nevada	1,455	1,787	1,628	1,772	1,975	2,632
New Hampshire	276	263	328	483	728	935
New Jersey	15,791	5,381	8,210	7,078	18,072	26,757
New Mexico	1,132	1,299	1,965	1,892	1,576	3,042
New York	NA	NA	35,054	NA	NA	NA
North Carolina	1,553	1,531	1,900	1,926	2,972	4,856
North Dakota	329	275	358	517	1,069	1,191
Ohio	5,291	5,372	5,712	8,913	15,017	22,401
Oklahoma	1,771	1,942	1,424	2,346	3,357	4,453
Oregon	1,012	1,079	1,416	1,876	2,372	3,466
Pennsylvania	4,480	4,258	4,905	6,672	11,394	16,034
Rhode Island	452	448	548	738	1,321	1,539
South Carolina	1,101	1,111	1,168	1,356	1,644	2,047
South Dakota	254	287	334	528	716	1,344
Tennessee	1,861	1,828	NA	2,515	3,885	4,643
Texas	NA	NA	11,059	^R 12,556	14,437	16,122
Utah	913	953	952	1,237	1,990	3,890
Vermont	82	81	102	161	227	337
Virginia	2,592	2,411	2,700	3,429	5,279	6,571
Washington	1,977	2,154	2,707	3,490	4,718	5,867
West Virginia	1,298	1,249	1,303	1,760	2,192	3,372
Wisconsin	2,525	2,177	2,395	3,675	6,681	8,525
Wyoming	299	303	337	541	889	1,438
Total	^R 161,653	^R 149,294	157,198	^R 192,199	264,230	370,259

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1999-2001
(Million Cubic Feet) — Continued

State	2000		1999			
	February	January	Total	December	November	October
Alabama	4,156	3,783	27,586	3,204	2,395	1,972
Alaska	2,070	2,812	27,667	3,427	2,993	2,181
Arizona	3,414	4,098	31,369	3,463	2,307	1,890
Arkansas	NA	NA	27,898	3,428	1,614	1,271
California	23,459	26,427	248,028	20,552	17,441	14,529
Colorado	8,184	8,673	59,355	6,894	4,376	3,303
Connecticut	7,072	5,370	47,646	5,312	3,905	2,651
Delaware	874	942	6,121	649	396	310
District of Columbia	2,274	2,340	17,846	1,510	1,304	899
Florida	4,816	5,023	36,351	3,140	2,672	2,305
Georgia	7,410	10,166	43,593	6,306	3,754	2,206
Hawaii	149	153	1,749	147	145	144
Idaho	1,722	2,156	12,656	1,672	1,028	675
Illinois	27,375	34,585	188,567	27,028	15,092	11,931
Indiana	12,980	14,227	73,691	9,995	5,884	3,958
Iowa	6,245	8,123	44,895	6,411	3,276	2,576
Kansas	6,060	6,754	38,954	4,551	2,395	1,947
Kentucky	^R 5,748	6,775	35,801	5,393	2,938	1,872
Louisiana	3,428	3,465	24,556	2,637	1,773	1,524
Maine	341	522	2,547	353	223	186
Maryland	8,382	9,093	58,159	6,770	4,634	3,361
Massachusetts	9,672	7,078	65,137	6,066	4,814	3,315
Michigan	26,708	30,349	179,383	23,091	14,641	9,794
Minnesota	12,925	NA	88,078	12,775	7,858	5,682
Mississippi	3,051	^R 2,902	20,209	2,463	1,700	1,086
Missouri	10,534	10,494	63,107	7,676	3,894	2,752
Montana	1,850	2,152	12,094	1,575	1,100	727
Nebraska	4,106	4,524	27,586	3,034	1,798	1,166
Nevada	2,517	3,184	22,747	2,700	1,794	1,425
New Hampshire	1,270	1,317	7,214	901	614	403
New Jersey	34,181	31,016	163,760	16,125	13,873	8,601
New Mexico	3,255	3,847	27,271	3,671	2,291	1,569
New York	NA	NA	360,763	38,075	30,505	25,633
North Carolina	7,698	6,545	38,019	4,405	2,876	2,074
North Dakota	1,541	NA	10,026	1,276	814	622
Ohio	28,924	30,984	167,974	22,416	14,296	8,568
Oklahoma	6,517	5,882	39,739	4,267	2,442	1,989
Oregon	3,833	4,399	28,562	3,292	2,269	1,494
Pennsylvania	23,489	24,866	143,296	19,167	13,322	8,907
Rhode Island	2,137	2,037	11,815	1,017	1,308	650
South Carolina	3,190	2,948	20,569	2,398	1,682	1,230
South Dakota	1,367	1,617	9,567	1,226	735	521
Tennessee	8,850	10,255	52,581	5,891	3,944	2,926
Texas	21,581	22,406	171,715	20,487	13,814	11,172
Utah	3,901	4,611	30,490	4,919	2,723	1,872
Vermont	428	425	2,309	247	200	137
Virginia	9,058	9,381	61,542	7,710	5,157	3,633
Washington	6,617	7,050	50,846	6,272	4,287	3,246
West Virginia	3,862	3,907	27,306	3,383	2,380	1,803
Wisconsin	11,346	14,784	81,726	12,346	7,079	5,430
Wyoming	1,115	1,373	9,848	1,211	803	710
Total	^R 438,320	^R 462,256	3,050,313	362,928	245,559	180,828

^R Revised Data.

NA Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. Gas volumes delivered for use as vehicle fuel are included in the annual

total but not in the monthly components. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1999-2001
(Million Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001		
				April	March	February
Alabama	57,836	70,698	69,831	14,024	15,721	14,026
Alaska	24,986	27,533	25,296	6,151	6,487	5,805
Arizona	9,027	8,021	9,444	2,002	2,267	2,460
Arkansas	NA	NA	48,768	10,024	10,593	NA
California	453,911	350,856	294,639	117,268	109,447	108,390
Colorado	43,462	34,468	27,279	11,174	10,717	9,440
Connecticut	8,506	13,388	11,296	2,065	2,199	2,053
Delaware	7,420	9,944	7,393	1,687	1,801	1,980
District of Columbia	0	0	0	0	0	0
Florida	40,401	48,557	46,755	10,437	10,251	9,233
Georgia	NA	56,316	77,447	NA	13,094	11,511
Hawaii	185	180	142	47	44	43
Idaho ^a	11,365	11,603	12,269	2,661	2,777	2,826
Illinois	112,599	120,165	117,741	23,815	29,170	29,292
Indiana	97,672	116,348	116,571	20,256	25,296	24,195
Iowa	35,550	37,275	39,091	8,120	9,066	8,810
Kansas	33,888	37,419	33,173	7,543	8,424	8,460
Kentucky	35,050	35,841	34,697	9,256	6,846	^b 8,047
Louisiana	362,227	349,948	289,418	91,609	96,285	86,299
Maine	NA	1,334	773	NA	NA	NA
Maryland	12,815	14,705	14,485	3,100	3,649	2,909
Massachusetts	NA	50,706	53,920	NA	10,228	12,070
Michigan	113,627	121,863	113,678	26,777	29,494	27,728
Minnesota	32,441	38,796	40,200	7,290	8,357	8,061
Mississippi	33,932	39,687	41,080	7,940	9,236	6,432
Missouri	27,964	25,591	21,500	5,627	5,699	7,933
Montana	7,080	8,960	9,468	1,554	1,837	1,756
Nebraska	12,127	13,302	15,018	3,156	2,770	2,967
Nevada	14,766	12,493	11,410	2,322	3,628	4,656
New Hampshire	NA	1,928	2,093	NA	NA	NA
New Jersey	51,686	69,360	78,942	12,564	12,780	13,187
New Mexico	10,325	8,922	8,684	3,296	2,464	2,363
New York	124,530	NA	101,913	29,986	31,832	31,056
North Carolina	27,367	40,719	36,198	6,704	^b 7,491	^b 6,309
North Dakota	6,188	5,064	7,017	2,198	1,127	1,553
Ohio	112,533	127,173	125,509	23,206	25,904	28,382
Oklahoma	49,880	47,748	63,464	12,464	12,596	14,486
Oregon	NA	38,064	36,454	NA	6,626	9,919
Pennsylvania	NA	97,411	88,933	17,285	NA	NA
Rhode Island	15,459	19,213	18,130	3,625	5,389	2,954
South Carolina	23,013	35,970	35,359	6,097	6,657	5,548
South Dakota	3,050	1,746	1,896	866	861	720
Tennessee	44,755	47,736	50,631	10,670	10,751	11,208
Texas	624,138	637,630	588,783	140,749	164,043	153,388
Utah	12,234	14,906	14,535	3,001	2,766	3,278
Vermont	906	1,300	1,109	242	309	183
Virginia	22,813	NA	27,890	4,896	4,722	6,321
Washington	NA	44,911	39,743	NA	NA	NA
West Virginia	NA	16,491	15,464	3,335	NA	3,489
Wisconsin	60,908	61,923	57,848	11,397	19,281	15,344
Wyoming	8,746	19,829	12,365	2,155	1,804	1,719
Total	3,078,400	3,202,320	2,995,741	726,237	^b782,233	^b758,227

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1999-2001
(Million Cubic Feet) — Continued

State	2001	2000				
	January	Total	December	November	October	September
Alabama	14,066	195,087	14,600	15,543	15,384	14,552
Alaska	6,543	77,997	6,502	5,386	5,724	5,030
Arizona	2,298	25,362	2,462	2,214	1,960	2,075
Arkansas	10,397	NA	NA	10,684	NA	10,065
California	118,805	1,353,135	108,187	111,473	134,931	130,217
Colorado	12,131	94,219	10,186	7,715	6,985	7,189
Connecticut	2,189	33,530	2,872	2,933	2,261	2,371
Delaware	1,952	25,760	2,050	1,921	2,388	1,810
District of Columbia	0	0	0	0	0	0
Florida	10,481	138,734	9,526	11,278	10,647	10,741
Georgia	10,835	168,967	11,998	12,651	13,317	13,624
Hawaii	51	536	43	47	46	40
Idaho ^a	3,101	30,153	630	2,799	2,864	2,491
Illinois	30,323	304,260	31,753	26,971	22,206	20,724
Indiana	27,925	312,764	30,031	25,843	24,340	22,899
Iowa	9,554	101,773	10,096	9,167	8,330	7,765
Kansas	9,461	NA	7,929	NA	7,535	11,952
Kentucky	10,900	93,300	8,513	8,153	7,117	6,928
Louisiana	88,034	^R 1,089,872	98,294	103,509	99,601	92,327
Maine	NA	3,927	581	496	334	246
Maryland	3,157	45,526	4,095	4,023	3,873	3,668
Massachusetts	NA	^R 146,888	15,220	11,307	13,020	9,815
Michigan	29,628	301,946	29,438	23,396	20,906	19,853
Minnesota	8,734	101,613	9,411	9,281	7,329	8,599
Mississippi	10,324	NA	9,003	8,951	NA	7,875
Missouri	8,705	68,863	7,376	6,138	7,491	3,438
Montana	1,932	21,758	2,410	2,113	1,620	1,350
Nebraska	3,235	42,968	3,351	3,124	2,699	5,555
Nevada	4,161	46,918	5,059	4,380	4,768	4,400
New Hampshire	NA	4,549	357	274	336	290
New Jersey	13,155	NA	12,923	14,895	16,318	NA
New Mexico	2,202	NA	2,288	NA	2,366	2,678
New York	31,656	NA	32,573	NA	28,870	32,791
North Carolina	6,863	^R 110,621	8,113	9,503	8,986	7,996
North Dakota	1,310	14,925	1,187	1,216	1,474	1,209
Ohio	35,041	326,833	30,731	27,876	24,705	22,828
Oklahoma	^R 10,335	^R 130,312	^R 11,460	^R 10,737	^R 9,791	^R 10,225
Oregon	7,431	105,910	7,332	8,241	10,616	8,621
Pennsylvania	NA	NA	21,574	22,179	NA	17,958
Rhode Island	3,491	48,314	7,136	4,109	3,894	2,165
South Carolina	4,712	96,846	6,324	8,208	7,672	7,041
South Dakota	602	6,331	667	771	408	605
Tennessee	12,126	140,457	13,340	12,516	12,126	11,130
Texas	165,958	NA	182,166	NA	^R 176,593	^R 171,604
Utah	3,190	39,956	2,911	3,357	3,207	2,825
Vermont	172	3,949	228	403	384	370
Virginia	6,874	NA	11,812	6,881	5,634	6,806
Washington	NA	NA	NA	NA	NA	13,607
West Virginia	3,749	43,727	3,711	3,236	3,218	3,382
Wisconsin	14,885	157,413	18,318	14,391	11,899	10,487
Wyoming	3,068	44,303	3,326	3,994	2,387	2,776
Total	^R 811,703	^R 9,579,197	^R 839,970	^R 811,656	^R 818,586	^R 779,297

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1999-2001
(Million Cubic Feet) — Continued

State	2000					
	August	July	June	May	April	March
Alabama	15,710	15,230	16,075	17,293	16,866	18,233
Alaska	9,259	7,262	6,129	5,172	6,766	7,192
Arizona	2,086	2,240	2,122	2,183	1,690	2,173
Arkansas	NA	NA	NA	NA	NA	12,544
California	154,946	133,321	122,049	107,156	82,233	86,700
Colorado	6,841	6,807	7,519	6,508	8,403	8,225
Connecticut	3,074	2,082	2,414	2,135	2,851	3,619
Delaware	1,568	1,691	2,072	2,315	2,561	2,675
District of Columbia	0	0	0	0	0	0
Florida	12,048	11,615	11,690	12,631	12,521	12,666
Georgia	14,922	14,924	14,641	16,574	14,182	15,018
Hawaii	42	46	46	47	44	46
Idaho ^a	2,220	2,357	2,532	2,656	2,681	2,904
Illinois	20,304	19,658	20,306	22,174	24,982	29,119
Indiana	23,643	22,262	23,192	24,205	25,123	28,207
Iowa	7,425	6,782	7,808	7,124	8,386	8,914
Kansas	^R 11,359	^R 10,522	^R 9,042	^R 8,459	8,715	9,141
Kentucky	6,737	6,438	6,704	6,870	8,372	8,359
Louisiana	107,859	^R 72,372	78,026	87,937	82,322	87,213
Maine	229	224	239	243	335	315
Maryland	3,914	3,936	3,643	3,669	3,533	3,956
Massachusetts	11,044	11,281	10,706	^R 13,789	12,029	13,666
Michigan	19,628	19,381	21,784	25,697	28,316	31,364
Minnesota	6,905	6,447	9,876	4,967	8,500	8,894
Mississippi	6,916	7,709	7,846	9,219	9,977	10,496
Missouri	3,277	5,023	5,373	5,155	5,468	6,620
Montana	1,136	1,210	1,498	1,460	2,040	2,223
Nebraska	2,902	5,701	3,569	2,766	3,148	3,343
Nevada	4,741	3,178	3,555	4,344	3,906	2,904
New Hampshire	293	278	356	436	446	608
New Jersey	14,210	20,102	16,243	17,237	16,281	16,889
New Mexico	2,678	2,289	2,136	2,014	2,131	2,701
New York	NA	25,917	26,934	27,880	NA	NA
North Carolina	8,796	8,298	8,644	9,567	9,329	11,298
North Dakota	1,228	578	1,960	1,010	1,468	1,242
Ohio	22,658	22,456	23,092	25,314	28,145	30,732
Oklahoma	^R 8,885	^R 9,368	^R 11,235	10,861	11,414	11,245
Oregon	8,363	8,215	8,263	8,195	9,181	9,176
Pennsylvania	18,668	18,841	19,655	18,868	22,194	25,628
Rhode Island	2,276	3,166	2,866	3,489	4,147	4,005
South Carolina	7,992	7,562	7,262	8,814	9,128	9,720
South Dakota	735	561	497	341	391	410
Tennessee	11,399	10,696	10,705	10,810	11,866	11,373
Texas	NA	NA	182,767	184,646	174,529	136,980
Utah	3,013	3,042	3,037	3,657	3,614	3,861
Vermont	310	321	331	303	353	350
Virginia	6,795	8,866	8,687	7,079	NA	7,136
Washington	13,817	11,939	6,808	10,201	9,417	11,412
West Virginia	3,431	3,069	3,475	3,713	3,675	4,101
Wisconsin	10,438	9,405	9,914	10,637	13,077	14,675
Wyoming	2,565	2,335	2,962	4,128	4,885	4,361
Total	^R 829,513	^R 747,013	^R 767,895	^R 782,948	776,819	781,622

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1999-2001

(Million Cubic Feet) — Continued

State	2000		1999			
	February	January	Total	December	November	October
Alabama	17,653	17,947	204,263	18,145	17,486	17,306
Alaska	6,390	7,185	74,224	6,892	6,851	6,597
Arizona	2,076	2,081	27,032	2,328	2,060	1,944
Arkansas	12,708	NA	145,140	13,359	12,449	12,318
California	86,174	95,749	1,109,359	88,595	100,462	126,462
Colorado	9,012	8,828	80,747	7,483	7,422	5,609
Connecticut	3,437	3,481	32,039	3,562	3,190	2,668
Delaware	2,254	2,455	21,075	2,289	1,768	1,860
District of Columbia	0	0	0	0	0	0
Florida	11,187	12,183	140,740	11,568	11,406	12,052
Georgia	14,023	13,093	159,851	13,605	9,383	8,662
Hawaii	45	44	463	42	42	39
Idaho ^a	2,883	3,135	33,846	3,034	2,822	2,942
Illinois	31,511	34,552	306,110	31,246	26,662	24,469
Indiana	29,449	33,569	319,890	30,943	26,729	27,481
Iowa	9,865	10,110	101,940	8,824	8,702	8,225
Kansas	9,069	10,494	97,469	8,512	6,304	5,757
Kentucky	9,248	9,863	93,814	8,881	8,346	8,005
Louisiana	85,238	95,174	875,878	78,766	74,101	75,316
Maine	356	327	2,550	281	214	279
Maryland	3,448	3,767	42,190	4,157	3,485	3,688
Massachusetts	16,399	8,612	157,579	15,463	12,796	11,722
Michigan	30,858	31,324	301,326	30,250	29,053	22,804
Minnesota	10,977	10,425	104,187	9,692	7,866	7,781
Mississippi	10,107	9,108	120,201	11,166	10,477	10,156
Missouri	6,938	6,565	64,856	7,635	6,558	5,076
Montana	2,555	2,142	23,036	2,321	2,034	1,645
Nebraska	3,438	3,373	45,750	2,770	2,740	4,048
Nevada	2,878	2,805	34,075	3,276	2,719	2,894
New Hampshire	421	453	5,912	413	376	589
New Jersey	18,009	18,181	206,898	18,483	17,039	16,828
New Mexico	1,929	2,161	26,430	3,290	2,049	1,742
New York	28,916	24,539	296,358	24,949	24,765	22,822
North Carolina	^b 9,478	^b 10,614	108,835	11,910	9,429	7,922
North Dakota	1,186	1,169	17,561	1,418	1,504	1,316
Ohio	32,879	35,417	330,931	31,093	28,540	26,956
Oklahoma	12,467	12,621	177,811	13,570	13,834	12,916
Oregon	9,451	10,256	107,984	10,596	10,610	9,399
Pennsylvania	25,178	24,411	240,622	22,267	20,355	18,547
Rhode Island	4,993	6,068	55,517	5,183	4,712	4,285
South Carolina	8,630	8,493	102,681	9,398	9,250	8,979
South Dakota	474	471	5,043	443	446	466
Tennessee	12,515	11,982	144,639	11,169	11,191	12,449
Texas	164,715	161,407	1,952,400	201,874	183,878	178,431
Utah	3,661	3,771	40,859	3,844	3,615	3,569
Vermont	357	240	2,901	337	281	269
Virginia	9,755	7,194	101,368	15,247	6,036	5,951
Washington	11,367	12,715	126,799	14,480	11,950	14,843
West Virginia	4,212	4,503	44,857	4,370	3,842	3,763
Wisconsin	16,048	18,124	146,428	15,881	12,576	12,327
Wyoming	5,573	5,009	38,475	3,536	4,173	2,990
Total	^b 812,389	^b 831,491	9,000,936	848,837	784,578	785,169

^a Small volumes of natural gas representing onsystem sales to industrial consumers in Idaho are included in the annual total but not in monthly components.

^b Revised Data.

NA Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 18. Natural Gas Deliveries to Electric Utility^a Consumers, by State, 1999-2001
(Million Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001		
				April	March	February
Alabama	12,476	3,201	3,305	3,331	^R 3,623	1,845
Alaska	11,402	11,755	10,129	2,433	^R 2,962	2,844
Arizona	38,425	13,509	10,761	11,380	^R 10,355	9,845
Arkansas	5,735	11,202	6,616	2,511	^R 1,164	392
California	44,559	29,303	64,231	11,287	^R 10,539	10,510
Colorado	14,070	7,137	4,348	3,979	^R 4,286	3,128
Connecticut	NA	2,390	238	0	NA	0
Delaware	23	1,836	4,432	5	^R 5	6
District of Columbia	NA	0	0	0	NA	0
Florida	66,934	108,238	76,117	23,007	^R 18,266	11,945
Georgia	1,289	528	3,319	1,138	^R 91	36
Hawaii	NA	0	0	0	NA	0
Idaho	NA	0	0	0	NA	0
Illinois	357	430	12,200	74	^R 81	92
Indiana	2,008	1,274	1,430	412	^R 188	939
Iowa	1,069	979	841	362	^R 323	173
Kansas	3,360	6,203	8,338	988	^R 997	638
Kentucky	511	912	808	205	^R 194	51
Louisiana	60,007	75,540	86,767	20,504	^R 13,251	11,918
Maine	NA	0	0	0	NA	0
Maryland	3	3,821	2,248	0	^R 0	0
Massachusetts	146	965	1,235	57	^R 71	8
Michigan	6,458	13,440	14,697	638	^R 1,739	1,565
Minnesota	869	955	1,437	282	^R 253	131
Mississippi	16,935	27,367	24,967	8,249	^R 3,489	1,703
Missouri	4,731	5,385	2,995	2,192	^R 1,411	654
Montana	6	38	72	1	^R 4	0
Nebraska	777	482	533	330	^R 293	107
Nevada	26,267	18,605	17,457	5,595	^R 7,607	5,726
New Hampshire	1	781	49	0	^R 0	0
New Jersey	139	3,937	2,727	61	^R 56	21
New Mexico	11,312	12,996	10,912	4,031	^R 3,334	2,465
New York	12,689	30,930	43,609	4,271	^R 3,062	2,923
North Carolina	186	203	545	152	^R 27	0
North Dakota	0	0	0	0	^R 0	0
Ohio	937	1,986	2,687	423	^R 340	101
Oklahoma	35,035	40,762	43,804	10,440	^R 9,542	6,291
Oregon	15,395	9,331	3,776	3,333	^R 3,425	5,099
Pennsylvania	359	1,144	971	109	^R 93	92
Rhode Island	NA	0	0	0	NA	0
South Carolina	88	146	194	47	^R 10	8
South Dakota	1,631	181	761	633	^R 599	302
Tennessee	2	438	142	0	^R 2	0
Texas	253,500	320,456	302,225	79,731	^R 61,306	52,505
Utah	5,523	1,936	1,625	1,489	^R 1,380	1,389
Vermont	42	105	16	2	^R 6	3
Virginia	494	6,658	7,532	331	^R 78	22
Washington	21,149	671	579	5,787	^R 5,674	5,604
West Virginia	124	104	115	21	^R 18	66
Wisconsin	3,461	3,398	2,333	580	^R 1,015	1,296
Wyoming	1,111	36	40	384	^R 269	229
Total	681,596	781,692	784,162	210,784	^R171,432	142,672

See footnotes at end of table.

Table 18. Natural Gas Deliveries to Electric Utility^a Consumers, by State, 1999-2001
(Million Cubic Feet) — Continued

State	2001	2000				
	January	Total	December	November	October	September
Alabama	3,677	36,344	2,801	2,884	1,786	3,225
Alaska	3,163	35,570	3,503	3,192	3,101	2,874
Arizona	6,845	92,019	8,870	9,180	8,454	10,500
Arkansas	1,668	34,603	1,697	1,240	550	2,346
California	12,223	129,449	10,220	9,776	10,078	13,583
Colorado	2,677	32,148	3,568	2,727	2,651	3,071
Connecticut	0	7,174	598	597	598	598
Delaware	7	4,337	5	5	1	13
District of Columbia	0	0	0	0	0	0
Florida	13,717	316,486	14,992	17,873	23,037	27,763
Georgia	24	21,447	58	327	466	1,941
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	110	2,764	130	156	129	279
Indiana	470	7,754	1,986	282	627	1,193
Iowa	211	4,735	257	255	251	486
Kansas	736	33,509	1,239	1,227	1,321	3,667
Kentucky	61	4,073	519	359	194	133
Louisiana	14,334	292,002	17,809	17,447	20,551	27,576
Maine	0	0	0	0	0	0
Maryland	2	20,665	109	1,864	1,594	1,308
Massachusetts	10	3,190	23	201	247	171
Michigan	2,516	43,548	3,891	3,325	2,942	2,805
Minnesota	203	5,411	413	335	289	268
Mississippi	3,494	89,110	4,617	3,896	3,745	6,197
Missouri	474	30,480	1,161	650	1,405	3,470
Montana	1	192	25	8	0	5
Nebraska	48	5,508	316	319	410	586
Nevada	7,338	80,037	7,380	7,343	8,092	7,974
New Hampshire	0	783	0	0	0	0
New Jersey	0	16,952	54	26	34	100
New Mexico	1,482	38,080	1,757	1,601	2,414	3,002
New York	2,434	95,812	3,242	5,006	6,021	6,761
North Carolina	7	9,579	4	210	204	736
North Dakota	0	0	0	0	0	0
Ohio	73	6,791	250	323	291	340
Oklahoma	8,762	169,031	11,350	8,367	10,238	18,117
Oregon	3,539	41,500	5,761	4,121	4,316	4,053
Pennsylvania	64	2,955	79	193	207	187
Rhode Island	0	0	0	0	0	0
South Carolina	23	2,814	14	55	31	75
South Dakota	97	3,607	311	412	235	460
Tennessee	0	1,829	14	43	0	15
Texas	59,958	1,245,008	72,445	67,697	88,232	119,309
Utah	1,265	10,544	1,182	1,048	1,071	879
Vermont	31	1,023	18	116	127	112
Virginia	62	15,923	235	433	519	562
Washington	4,084	41,173	2,829	4,978	6,796	6,420
West Virginia	19	425	33	26	41	74
Wisconsin	570	12,043	1,436	658	426	686
Wyoming	229	1,843	239	135	360	213
Total	156,708	3,050,267	187,443	180,916	214,084	284,133

See footnotes at end of table.

Table 18. Natural Gas Deliveries to Electric Utility^a Consumers, by State, 1999-2001
(Million Cubic Feet) — Continued

Table 18

State	2000					
	August	July	June	May	April	March
Alabama	7,664	6,473	4,484	3,825	1,449	246
Alaska	2,819	2,797	2,699	2,831	2,684	2,910
Arizona	14,122	11,522	8,958	6,904	3,983	2,687
Arkansas	5,039	4,641	3,986	3,902	3,267	3,830
California	17,611	15,277	13,724	9,877	5,473	8,114
Colorado	4,115	3,577	2,716	2,585	1,134	1,952
Connecticut	598	598	598	598	598	598
Delaware	27	17	1,126	1,307	487	317
District of Columbia	0	0	0	0	0	0
Florida	32,193	32,272	28,482	31,636	27,953	29,405
Georgia	5,018	6,032	3,627	3,448	242	154
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	502	515	264	359	162	58
Indiana	988	689	238	477	296	158
Iowa	972	628	326	581	241	220
Kansas	8,932	6,020	2,170	2,730	2,085	1,170
Kentucky	464	307	417	767	116	107
Louisiana	40,290	34,861	29,575	28,352	19,421	20,951
Maine	0	0	0	0	0	0
Maryland	3,029	2,150	4,187	2,603	1,972	1,068
Massachusetts	508	281	344	449	431	289
Michigan	5,522	2,659	4,210	4,754	3,254	2,589
Minnesota	1,308	790	613	440	268	200
Mississippi	11,679	11,398	9,777	10,434	6,032	5,957
Missouri	8,384	4,583	2,511	2,932	1,545	1,066
Montana	55	32	19	8	0	8
Nebraska	1,519	926	478	471	178	75
Nevada	9,610	7,714	7,471	5,848	4,805	4,730
New Hampshire	0	0	0	2	187	415
New Jersey	2,619	2,689	4,157	3,335	1,979	969
New Mexico	4,929	4,589	3,227	3,567	3,411	3,574
New York	8,748	13,156	11,315	10,633	9,099	9,217
North Carolina	2,273	1,831	2,505	1,613	27	37
North Dakota	0	0	0	0	0	0
Ohio	1,231	603	626	1,142	610	668
Oklahoma	26,734	22,244	14,828	16,392	14,196	10,753
Oregon	4,417	4,793	3,061	1,647	565	2,626
Pennsylvania	382	214	263	286	272	270
Rhode Island	0	0	0	0	0	0
South Carolina	650	549	720	573	69	27
South Dakota	810	567	421	210	27	57
Tennessee	184	414	235	485	9	18
Texas	162,282	155,290	124,190	135,107	93,453	87,318
Utah	1,222	1,097	1,258	851	669	607
Vermont	160	130	168	89	62	14
Virginia	2,074	1,832	1,682	1,928	1,503	1,958
Washington	7,189	5,564	5,106	1,619	111	2
West Virginia	45	26	61	14	24	33
Wisconsin	1,787	1,221	670	1,761	842	712
Wyoming	238	287	321	12	5	8
Total	410,943	373,854	307,816	309,385	215,196	208,142

See footnotes at end of table.

Table 18. Natural Gas Deliveries to Electric Utility^a Consumers, by State, 1999-2001
(Million Cubic Feet) — Continued

State	2000		1999			
	February	January	Total	December	November	October
Alabama	450	1,055	20,918	675	890	557
Alaska	2,789	3,373	30,529	3,388	2,838	2,633
Arizona	3,149	3,690	50,875	3,284	3,338	6,404
Arkansas	3,395	710	40,088	1,983	2,045	1,590
California	7,523	8,193	144,655	7,162	7,491	14,572
Colorado	2,152	1,900	19,155	1,165	1,111	1,824
Connecticut	597	597	13,095	548	1,162	1,322
Delaware	383	649	19,878	498	337	1,352
District of Columbia	0	0	0	0	0	0
Florida	24,395	26,485	319,274	24,985	25,438	30,914
Georgia	67	66	20,537	174	457	693
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	55	155	40,716	828	1,838	1,618
Indiana	309	512	7,655	245	157	142
Iowa	237	281	5,249	241	314	304
Kansas	1,492	1,457	35,889	1,051	738	1,128
Kentucky	162	526	5,590	223	263	188
Louisiana	14,370	20,798	320,328	17,336	16,696	21,366
Maine	0	0	0	0	0	0
Maryland	261	520	16,399	409	346	1,340
Massachusetts	152	94	8,141	107	396	360
Michigan	3,468	4,129	51,122	3,069	3,198	3,869
Minnesota	182	306	6,595	149	254	106
Mississippi	6,211	9,167	101,623	8,923	5,721	6,732
Missouri	1,259	1,515	19,427	581	451	521
Montana	5	25	289	10	14	7
Nebraska	116	113	4,555	49	102	134
Nevada	3,875	5,195	65,105	6,050	4,561	5,620
New Hampshire	57	121	572	134	22	0
New Jersey	536	453	32,650	1,067	1,107	1,281
New Mexico	3,059	2,951	35,581	2,682	2,185	3,055
New York	6,988	5,625	181,823	9,010	11,263	12,001
North Carolina	55	84	10,584	17	50	104
North Dakota	0	0	0	0	0	0
Ohio	254	455	11,105	426	179	345
Oklahoma	6,837	8,976	169,845	9,307	8,189	10,788
Oregon	2,963	3,177	23,292	2,383	2,966	4,555
Pennsylvania	223	378	10,376	429	265	454
Rhode Island	0	0	0	0	0	0
South Carolina	15	35	5,118	48	77	17
South Dakota	15	82	2,527	94	23	69
Tennessee	118	293	3,460	29	32	0
Texas	66,364	73,321	1,207,293	64,472	63,481	96,710
Utah	308	352	6,478	524	398	1,120
Vermont	23	5	250	3	3	1
Virginia	1,336	1,860	23,457	1,106	928	652
Washington	97	461	6,693	258	467	3,029
West Virginia	32	15	385	42	37	46
Wisconsin	1,096	748	14,077	688	573	475
Wyoming	12	10	167	15	10	8
Total	167,439	190,914	3,113,420	175,868	172,410	240,005

^a Includes all steam electric utility generating plants with a combined capacity of 50 megawatts or greater.

^b Revised Data.

^{NA} Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia.
Source: Form EIA-759, "Monthly Power Plant Report."

Table 19. Natural Gas Deliveries to All Consumers, by State, 1999-2001
(Million Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001		
				April	March	February
Alabama	116,304	112,358	111,092	24,207	^R 27,845	28,297
Alaska	50,222	55,336	55,656	11,177	^R 13,156	12,312
Arizona	83,542	54,081	52,811	19,016	^R 21,528	23,136
Arkansas	NA	NA	93,526	NA	^R 19,758	19,135
California	850,484	706,631	760,401	189,650	^R 201,309	215,940
Colorado	165,511	131,974	121,846	34,556	^R 42,280	39,569
Connecticut	NA	61,046	56,552	9,977	NA	14,262
Delaware	17,480	20,175	21,085	3,403	^R 4,378	4,653
District of Columbia	NA	17,008	18,187	3,327	NA	4,815
Florida	135,858	182,668	144,871	39,132	^R 34,664	28,964
Georgia	NA	148,036	155,823	NA	^R 36,829	34,525
Hawaii	NA	969	928	243	NA	237
Idaho	NA	27,879	28,717	5,648	NA	8,519
Illinois	461,900	446,932	478,979	62,502	^R 116,688	131,857
Indiana	NA	245,565	251,663	NA	^R 56,804	60,710
Iowa	107,974	98,491	107,175	17,579	^R 27,117	29,847
Kansas	108,299	104,366	105,109	17,395	^R 26,818	27,907
Kentucky	89,527	87,950	88,353	14,309	^R 21,150	^R 22,533
Louisiana	466,564	461,043	412,271	118,049	^R 117,503	110,494
Maine	NA	3,356	2,629	NA	NA	0
Maryland	89,830	92,993	89,521	14,433	^R 21,897	22,949
Massachusetts	NA	144,990	140,346	NA	^R 34,854	37,237
Michigan	435,452	426,929	434,232	77,479	^R 112,951	112,343
Minnesota	158,296	NA	154,606	24,580	^R 39,246	46,046
Mississippi	80,409	NA	90,194	19,726	^R 18,269	16,222
Missouri	149,820	128,214	130,687	22,808	^R 34,281	40,719
Montana	25,528	25,256	25,598	4,714	^R 5,390	7,882
Nebraska	56,084	52,320	55,571	10,413	^R 13,509	15,234
Nevada	71,748	56,422	53,964	12,358	^R 17,758	21,739
New Hampshire	NA	11,041	10,154	NA	^R 1,893	2,132
New Jersey	290,096	301,921	299,229	50,766	^R 70,799	76,848
New Mexico	51,135	50,142	49,707	11,874	^R 11,069	14,377
New York	NA	NA	513,804	NA	^R 127,207	130,052
North Carolina	88,284	99,820	90,073	15,080	^R 20,029	^R 23,972
North Dakota	17,397	NA	18,679	3,826	^R 3,423	5,277
Ohio	432,617	406,432	409,762	70,286	^R 99,745	117,646
Oklahoma	152,277	143,567	168,670	32,718	^R 37,734	39,774
Oregon	NA	82,311	76,309	NA	^R 18,596	24,926
Pennsylvania	NA	NA	307,796	NA	^R 75,896	77,802
Rhode Island	NA	36,998	34,667	7,140	NA	7,850
South Carolina	51,571	62,727	60,888	10,441	^R 12,101	12,786
South Dakota	17,220	13,311	14,790	3,339	^R 4,634	4,871
Tennessee	117,774	113,830	117,051	18,351	^R 26,566	29,379
Texas	1,164,345	1,128,803	1,065,406	259,096	^R 288,137	286,617
Utah	61,676	56,350	57,552	11,148	^R 13,022	17,404
Vermont	4,127	4,460	3,946	837	^R 1,091	1,005
Virginia	NA	NA	107,278	NA	^R 22,827	26,989
Washington	NA	106,694	103,863	NA	^R 29,462	36,646
West Virginia	48,940	NA	48,588	9,707	^R 11,351	12,683
Wisconsin	182,729	175,007	173,260	26,098	^R 54,615	50,526
Wyoming	22,010	30,675	23,551	4,261	^R 5,065	5,914
Total	8,266,728	8,088,802	7,997,416	1,602,371	^R2,036,750	^R2,143,559

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 1999-2001

(Million Cubic Feet) — Continued

State	2001	2000				
	January	Total	December	November	October	September
Alabama	35,955	302,678	29,383	23,153	20,238	20,018
Alaska	13,578	150,764	14,501	12,428	12,384	10,109
Arizona	19,862	184,353	21,051	16,769	13,582	15,531
Arkansas	NA	NA	NA	NA	NA	NA
California	243,586	2,239,987	211,131	196,849	193,726	185,997
Colorado	49,106	304,260	44,595	27,332	18,670	14,881
Connecticut	17,311	131,756	16,912	11,733	8,285	6,193
Delaware	5,046	44,723	4,166	2,964	2,895	2,052
District of Columbia	5,808	32,675	4,654	2,276	1,495	1,258
Florida	33,098	519,453	31,407	34,259	38,172	42,773
Georgia	49,769	395,150	59,198	35,970	24,018	22,422
Hawaii	253	2,841	232	240	233	227
Idaho	8,916	^R 62,363	^R 6,173	6,316	4,393	3,468
Illinois	150,852	975,498	168,883	104,404	54,739	40,938
Indiana	NA	NA	81,603	50,183	NA	NA
Iowa	33,432	226,686	35,028	22,410	13,985	11,463
Kansas	36,179	NA	30,737	NA	13,091	18,705
Kentucky	^R 31,535	^R 201,299	32,468	20,719	11,938	9,776
Louisiana	120,519	NA	128,246	126,744	124,146	123,072
Maine	NA	7,622	1,196	841	552	359
Maryland	30,551	209,203	28,020	18,972	12,136	9,570
Massachusetts	NA	^R 324,726	39,010	25,684	21,331	16,170
Michigan	132,679	889,687	126,002	73,002	50,281	38,350
Minnesota	48,424	NA	53,510	35,041	18,833	15,360
Mississippi	26,192	NA	22,527	16,355	NA	NA
Missouri	52,011	NA	43,168	21,358	NA	11,316
Montana	7,542	^R 55,243	7,975	5,930	3,782	^R 2,399
Nebraska	16,928	118,934	15,797	9,200	6,230	8,198
Nevada	19,892	182,557	20,142	17,346	16,003	14,869
New Hampshire	NA	20,782	2,367	1,772	1,055	767
New Jersey	91,683	NA	79,968	49,846	35,687	NA
New Mexico	13,815	NA	14,345	NA	8,780	8,467
New York	NA	NA	NA	NA	NA	NA
North Carolina	29,204	^R 228,990	27,732	19,785	13,884	11,503
North Dakota	4,871	NA	5,102	3,502	2,637	1,794
Ohio	144,940	847,007	122,250	75,278	49,400	36,168
Oklahoma	^R 42,051	^R 404,694	^R 42,722	^R 26,971	^R 24,286	^R 31,661
Oregon	NA	215,238	23,199	18,385	18,533	14,804
Pennsylvania	NA	NA	91,421	59,528	NA	NA
Rhode Island	9,111	80,212	11,475	6,383	5,291	3,154
South Carolina	16,242	150,696	15,504	12,069	10,047	8,813
South Dakota	4,376	NA	5,532	NA	1,726	1,634
Tennessee	43,477	NA	36,983	22,113	16,849	14,683
Texas	330,495	NA	316,154	NA	^R 284,239	^R 308,167
Utah	20,102	137,373	18,934	17,107	10,091	7,420
Vermont	1,195	10,410	949	941	761	641
Virginia	34,420	NA	38,272	21,653	NA	11,716
Washington	NA	NA	NA	NA	NA	NA
West Virginia	15,199	NA	12,722	7,736	6,332	5,326
Wisconsin	51,491	388,644	63,137	39,761	23,529	17,335
Wyoming	6,770	NA	7,009	6,487	4,113	^R 3,758
Total	^R2,484,049	^R20,901,130	^R2,407,430	^R1,764,435	^R1,459,898	^R1,364,090

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 1999-2001
(Million Cubic Feet) — Continued

State	2000					
	August	July	June	May	April	March
Alabama	25,539	24,019	23,112	24,857	23,695	25,657
Alaska	13,775	11,570	10,317	10,343	12,371	14,108
Arizona	19,057	16,802	14,469	13,011	11,364	12,786
Arkansas	NA	NA	NA	NA	NA	NA
California	211,792	189,304	178,697	165,860	145,829	181,287
Colorado	15,382	15,481	16,927	19,019	26,790	31,119
Connecticut	6,623	6,092	6,554	8,318	10,447	14,836
Delaware	1,969	2,150	3,721	4,630	4,534	4,622
District of Columbia	1,207	1,256	1,455	2,064	2,948	3,735
Florida	48,294	48,128	44,588	49,164	45,854	48,283
Georgia	26,198	27,070	24,703	27,534	27,382	31,402
Hawaii	221	235	242	243	235	245
Idaho	2,977	3,239	3,698	4,220	5,464	6,600
Illinois	38,121	36,018	38,999	46,463	75,944	94,247
Indiana	30,071	28,313	29,864	34,564	44,691	53,012
Iowa	10,918	10,404	11,062	12,924	17,355	21,224
Kansas	^R 22,968	^R 19,710	^R 14,558	^R 16,034	19,819	23,225
Kentucky	9,513	8,912	9,433	10,590	15,192	18,468
Louisiana	NA	^R 110,447	111,058	120,117	107,685	114,862
Maine	229	337	352	400	695	779
Maryland	11,080	10,234	12,861	13,336	16,940	20,301
Massachusetts	16,443	16,822	18,255	^R 26,020	28,542	34,662
Michigan	38,617	35,111	42,429	58,965	80,288	97,787
Minnesota	14,016	13,056	16,793	14,404	25,996	31,600
Mississippi	20,208	20,812	19,420	22,097	NA	20,822
Missouri	16,392	14,212	12,368	16,019	20,853	27,799
Montana	^R 1,923	^R 2,136	2,654	3,188	4,677	6,002
Nebraska	6,154	8,487	6,349	6,198	10,259	12,441
Nevada	16,715	13,688	13,839	13,532	12,713	13,978
New Hampshire	712	720	977	1,371	2,002	2,896
New Jersey	37,718	33,154	34,808	38,657	54,015	69,789
New Mexico	9,723	NA	8,974	8,635	10,555	12,763
New York	NA	NA	NA	NA	NA	NA
North Carolina	13,651	12,686	14,559	15,371	16,859	23,876
North Dakota	1,784	1,065	2,651	2,029	3,466	3,756
Ohio	35,892	35,631	37,099	48,856	71,664	91,256
Oklahoma	^R 38,759	^R 35,140	^R 29,308	32,281	34,160	33,621
Oregon	14,598	15,091	14,277	14,040	15,611	20,300
Pennsylvania	29,170	NA	NA	NA	NA	71,741
Rhode Island	3,179	4,096	4,129	5,507	7,280	8,125
South Carolina	10,211	9,716	9,726	11,884	12,757	14,670
South Dakota	2,042	1,662	1,586	1,652	2,192	3,170
Tennessee	14,547	14,146	NA	16,353	20,384	22,522
Texas	NA	NA	324,880	^R 340,448	296,669	257,706
Utah	6,592	6,584	6,742	7,555	9,240	15,150
Vermont	614	602	711	732	909	1,097
Virginia	12,929	14,763	14,967	15,436	NA	24,184
Washington	24,575	21,629	17,661	19,834	20,729	26,245
West Virginia	5,310	4,865	5,589	7,390	8,386	NA
Wisconsin	17,647	15,502	15,636	21,091	31,782	36,996
Wyoming	NA	3,229	4,028	5,339	7,006	7,249
Total	^R1,523,239	^R1,397,390	^R1,386,132	^R1,509,713	1,650,523	1,905,717

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 1999-2001
(Million Cubic Feet) — Continued

State	2000		1999			
	February	January	Total	December	November	October
Alabama	31,750	31,255	295,414	27,778	23,841	21,395
Alaska	13,134	15,724	150,054	16,172	14,810	12,834
Arizona	13,258	16,672	142,216	13,717	9,387	11,402
Arkansas	NA	NA	249,371	23,807	17,325	16,443
California	182,457	197,058	2,070,537	181,988	159,881	180,829
Colorado	35,675	38,390	271,006	30,305	21,081	16,301
Connecticut	18,799	16,965	131,143	14,232	11,320	8,163
Delaware	5,172	5,846	55,936	4,552	3,077	3,801
District of Columbia	5,287	5,038	31,993	3,224	2,334	1,383
Florida	42,758	45,774	510,162	41,265	40,536	46,001
Georgia	39,187	50,064	322,758	38,695	24,229	17,535
Hawaii	243	246	2,735	230	223	228
Idaho	7,207	8,608	64,414	7,221	5,381	4,487
Illinois	122,928	153,814	980,610	132,586	82,163	64,453
Indiana	68,703	79,159	552,765	63,918	44,341	38,853
Iowa	27,338	32,575	223,514	26,107	17,894	14,570
Kansas	28,924	32,398	240,458	23,154	13,434	11,490
Kentucky	^R 23,444	30,846	194,425	25,286	16,959	12,696
Louisiana	110,659	127,837	1,265,867	104,679	95,505	100,164
Maine	830	1,052	6,054	785	531	535
Maryland	26,408	29,344	191,596	22,001	14,733	11,929
Massachusetts	47,247	34,539	336,565	38,237	27,970	21,322
Michigan	119,793	129,061	882,566	103,906	76,676	54,883
Minnesota	NA	NA	317,798	41,255	26,602	20,682
Mississippi	24,299	^R 26,298	266,595	25,866	19,583	18,877
Missouri	^R 39,831	39,731	259,431	30,427	17,785	12,521
Montana	7,138	7,438	55,095	6,746	5,132	3,713
Nebraska	14,387	15,233	118,478	10,991	7,373	7,476
Nevada	13,131	16,600	150,698	16,423	11,071	11,146
New Hampshire	3,023	3,120	20,310	2,231	1,561	1,317
New Jersey	90,487	87,629	612,707	58,566	50,178	37,033
New Mexico	12,681	14,143	124,829	15,906	10,607	8,646
New York	NA	NA	1,209,656	118,176	95,020	78,133
North Carolina	^R 30,626	^R 28,459	210,291	23,244	16,297	11,780
North Dakota	4,425	NA	38,160	4,075	3,186	2,595
Ohio	114,573	128,939	828,223	100,467	70,716	53,172
Oklahoma	37,298	38,487	449,005	34,813	27,650	27,800
Oregon	21,926	24,475	198,402	21,662	18,954	17,065
Pennsylvania	NA	97,810	635,761	75,969	53,754	40,316
Rhode Island	10,629	10,963	83,933	7,937	7,247	5,627
South Carolina	18,272	17,028	154,036	15,644	13,101	10,959
South Dakota	3,628	4,319	28,903	3,392	2,122	1,663
Tennessee	33,998	36,925	261,242	25,892	19,688	17,283
Texas	284,002	290,426	3,507,315	309,568	272,367	293,456
Utah	14,907	17,053	133,301	18,902	12,057	10,128
Vermont	1,319	1,135	8,024	882	696	530
Virginia	33,927	33,281	255,556	34,638	18,106	13,179
Washington	28,154	31,565	256,042	30,755	23,300	25,142
West Virginia	14,422	13,744	103,951	11,989	8,800	6,950
Wisconsin	47,134	59,095	369,839	50,652	31,668	26,200
Wyoming	8,367	8,053	60,596	6,329	5,889	4,425
Total	^R2,188,948	^R2,343,614	19,890,341	2,047,240	1,574,142	1,439,510

^R Revised Data.

NA Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. Gas volumes delivered for use as vehicle fuel are included in the annual total for commercial deliveries but not in the monthly components. See

Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Sources: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" and Form EIA-759, "Monthly Power Plant Report."

Table 20. Average City Gate Price, by State, 1999-2001

(Dollars per Thousand Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001				2000
				April	March	February	January	Total
Alabama	7.37	3.15	2.80	6.33	6.90	8.60	7.12	4.39
Alaska	2.44	1.60	1.33	2.20	2.55	2.53	2.44	1.60
Arizona	6.46	3.00	2.22	5.22	5.31	6.25	7.91	4.57
Arkansas	NA	NA	2.83	NA	NA	NA	NA	NA
California	9.49	2.94	2.16	7.52	8.36	9.42	12.64	4.31
Colorado	5.68	2.57	1.89	5.21	4.73	5.01	7.10	3.53
Connecticut	9.99	5.66	4.61	9.97	8.65	10.03	11.06	6.73
Delaware	6.94	3.24	3.46	5.96	6.10	7.33	8.30	3.41
District of Columbia	—	—	—	—	—	—	—	—
Florida	7.67	3.75	3.26	6.50	6.30	6.18	10.21	5.07
Georgia	NA	NA	3.68	NA	6.65	8.05	8.90	NA
Hawaii	8.22	7.38	4.69	7.57	7.42	8.78	9.17	8.41
Idaho	5.42	2.62	1.84	5.24	4.10	4.69	6.94	4.00
Illinois	7.56	3.16	2.54	6.09	5.19	6.89	10.53	5.01
Indiana	NA	NA	2.21	NA	NA	NA	NA	NA
Iowa	7.80	3.39	2.86	6.47	^R 6.06	8.01	9.35	5.06
Kansas	8.20	3.41	2.55	6.59	5.92	8.32	10.13	4.61
Kentucky	7.72	3.74	3.11	5.53	5.89	8.65	9.15	4.92
Louisiana	NA	3.29	2.33	6.06	NA	6.96	10.43	NA
Maine	NA	4.45	3.47	NA	NA	NA	NA	5.33
Maryland	7.78	3.90	2.95	5.23	6.51	6.85	10.03	5.36
Massachusetts	NA	4.03	3.15	NA	6.22	7.22	NA	5.29
Michigan	4.08	3.02	2.83	4.90	3.60	3.52	4.40	3.23
Minnesota	7.31	NA	2.67	6.00	5.51	7.28	9.37	NA
Mississippi	NA	NA	2.65	6.33	NA	6.44	9.68	NA
Missouri	7.38	3.44	2.76	6.67	5.60	7.07	8.73	NA
Montana	5.62	2.89	2.73	4.09	5.03	5.31	7.34	3.54
Nebraska	8.08	3.32	2.97	7.20	^R 6.52	8.10	9.46	4.52
Nevada	6.14	NA	2.37	6.54	5.53	5.64	6.71	NA
New Hampshire	NA	4.08	3.55	NA	NA	NA	NA	5.32
New Jersey	7.72	4.08	3.03	8.41	6.15	7.48	8.82	NA
New Mexico	5.31	2.50	2.02	4.55	4.75	5.81	5.56	3.79
New York	NA	NA	2.73	NA	6.01	7.56	NA	NA
North Carolina	8.36	3.83	2.99	7.20	7.05	8.02	9.87	5.09
North Dakota	7.08	NA	2.71	5.64	6.00	6.48	9.50	NA
Ohio	9.38	5.35	4.74	11.56	9.95	10.34	7.87	6.10
Oklahoma	7.39	NA	2.89	5.95	6.89	9.58	6.59	NA
Oregon	4.72	3.09	2.58	4.25	4.45	4.67	5.26	3.86
Pennsylvania	NA	3.87	3.21	NA	NA	NA	NA	NA
Rhode Island	7.47	3.26	3.73	8.79	8.49	5.95	7.40	4.09
South Carolina	8.20	3.81	3.08	6.87	6.34	7.88	10.46	5.09
South Dakota	8.08	3.72	3.27	7.50	6.58	7.68	9.94	4.81
Tennessee	7.51	3.37	2.71	5.99	6.30	7.73	9.28	NA
Texas	NA	3.00	2.62	5.71	NA	7.01	9.10	NA
Utah	6.04	3.46	2.80	5.51	6.35	6.41	5.83	3.64
Vermont	5.95	3.61	2.95	6.11	6.08	5.99	5.68	4.26
Virginia	7.23	3.82	3.27	4.72	6.61	7.65	8.11	NA
Washington	NA	NA	2.38	NA	NA	NA	NA	NA
West Virginia	NA	NA	3.71	5.98	NA	4.26	4.25	NA
Wisconsin	7.53	3.20	2.65	6.41	6.13	6.61	9.93	4.42
Wyoming	7.71	4.25	3.41	6.91	8.98	7.01	8.07	NA
Total	7.47	3.48	2.85	6.46	^R 6.28	7.29	8.95	^R 4.65

See footnotes at end of table.

Table 20. Average City Gate Price, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2000							
	December	November	October	September	August	July	June	May
Alabama	6.00	5.62	6.00	5.12	5.22	5.50	5.70	4.20
Alaska	1.61	1.62	1.62	1.60	1.58	1.53	1.59	1.62
Arizona	7.07	5.51	5.36	4.95	4.81	5.66	5.21	3.84
Arkansas	NA	NA	NA	NA	NA	NA	NA	NA
California	7.30	5.09	5.17	4.98	4.13	4.70	4.42	3.44
Colorado	5.13	4.04	4.24	3.32	3.56	4.05	3.71	2.91
Connecticut	8.35	7.06	7.30	9.62	7.12	7.54	7.99	6.62
Delaware	4.19	5.44	4.49	2.74	2.53	2.37	2.99	2.82
District of Columbia	—	—	—	—	—	—	—	—
Florida	7.92	6.37	6.65	5.45	4.87	5.05	5.32	4.07
Georgia	7.09	NA	NA	5.09	5.17	4.81	NA	3.67
Hawaii	9.81	9.43	9.09	9.04	8.69	8.17	8.46	8.84
Idaho	6.70	4.67	5.27	3.85	3.60	5.32	4.08	3.13
Illinois	7.83	5.33	6.39	6.05	5.12	5.96	7.23	4.38
Indiana	6.20	4.54	NA	5.23	3.59	NA	4.60	3.02
Iowa	7.38	5.81	6.41	5.84	5.45	6.39	5.45	7.00
Kansas	6.21	5.21	6.46	5.87	4.91	5.57	4.82	4.02
Kentucky	6.75	5.79	6.14	5.18	5.17	5.11	4.88	4.94
Louisiana	NA	5.61	5.93	5.23	NA	NA	4.84	3.68
Maine	5.98	4.41	8.22	7.91	8.06	10.85	7.08	4.17
Maryland	7.33	5.86	7.62	6.25	6.70	8.23	8.46	6.79
Massachusetts	6.90	5.48	6.93	7.90	7.17	7.99	9.07	5.87
Michigan	3.67	3.44	3.48	3.32	3.33	3.33	3.02	3.00
Minnesota	7.35	5.66	5.95	5.67	4.92	5.64	5.22	3.64
Mississippi	7.85	5.50	NA	NA	4.57	4.82	3.61	3.39
Missouri	6.09	5.49	NA	7.18	6.89	7.35	7.33	5.62
Montana	5.11	4.27	3.93	3.39	2.86	3.50	3.25	2.90
Nebraska	6.03	5.11	5.89	5.23	4.59	5.54	5.11	3.73
Nevada	6.35	6.28	5.26	4.74	4.09	5.77	5.24	4.39
New Hampshire	8.08	7.20	6.24	6.66	6.42	6.92	4.96	3.96
New Jersey	NA	^R 5.74	^R 7.94	^R 9.17	NA	8.07	10.86	6.02
New Mexico	6.04	4.98	4.91	3.66	3.16	3.78	3.77	2.96
New York	NA	NA	NA	NA	NA	NA	NA	NA
North Carolina	6.78	5.77	6.38	6.08	5.21	5.99	6.44	4.47
North Dakota	6.20	5.41	5.81	4.66	4.55	8.28	4.78	4.12
Ohio	7.17	5.69	7.58	6.74	7.86	8.41	5.89	7.94
Oklahoma	^R 5.58	5.60	4.94	NA	NA	4.14	3.19	3.36
Oregon	4.86	4.87	4.66	3.71	4.18	4.70	4.22	3.59
Pennsylvania	6.33	5.67	NA	NA	5.43	7.83	7.48	6.08
Rhode Island	7.38	4.47	7.15	5.65	5.60	5.36	4.87	3.74
South Carolina	6.82	5.87	6.56	6.15	5.47	5.93	5.73	4.55
South Dakota	6.29	4.55	5.57	5.06	5.66	6.92	6.39	7.12
Tennessee	7.27	5.67	5.71	4.77	3.95	5.74	NA	3.89
Texas	6.90	5.26	5.49	5.02	NA	NA	4.41	3.08
Utah	4.26	3.87	3.88	3.43	3.74	3.15	3.14	2.73
Vermont	5.21	5.34	5.11	4.39	4.49	4.08	4.05	4.10
Virginia	8.19	6.39	NA	7.29	6.87	7.40	6.32	7.25
Washington	NA	NA	NA	3.67	3.76	4.96	NA	3.22
West Virginia	3.74	4.00	5.47	2.86	7.33	4.97	4.12	3.06
Wisconsin	5.85	5.12	5.79	5.63	5.04	5.88	5.67	4.20
Wyoming	7.97	5.53	5.46	4.51	NA	4.88	4.56	4.04
Total	^R 6.81	^R 5.20	^R 5.64	^R 5.17	4.59	5.12	5.17	4.14

See footnotes at end of table.

Table 20. Average City Gate Price, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2000				1999			
	April	March	February	January	Total	December	November	October
Alabama	3.40	3.43	3.05	2.95	3.21	3.24	3.74	4.16
Alaska	1.60	1.64	1.56	1.61	1.32	1.32	1.34	1.36
Arizona	3.54	3.05	2.97	2.70	2.72	2.68	3.37	3.30
Arkansas	NA	NA	NA	NA	2.81	2.26	3.45	3.07
California	3.40	2.90	2.88	2.59	2.61	2.65	3.27	3.44
Colorado	2.82	2.31	2.99	2.34	2.31	2.27	3.52	2.46
Connecticut	5.67	5.59	6.00	5.40	4.91	5.42	5.81	4.58
Delaware	2.74	3.04	3.29	3.80	3.45	2.78	3.48	2.73
District of Columbia	—	—	—	—	—	—	—	—
Florida	4.12	3.57	3.55	3.86	3.49	3.70	3.77	3.86
Georgia	3.29	NA	NA	NA	2.95	2.80	4.19	0.92
Hawaii	8.05	6.96	7.40	7.14	5.62	7.40	7.20	6.48
Idaho	3.15	2.64	2.52	2.50	2.23	2.50	3.07	2.94
Illinois	3.47	3.30	3.13	2.93	3.00	3.13	3.55	3.41
Indiana	2.91	NA	NA	NA	2.46	2.57	3.09	2.79
Iowa	3.72	3.75	3.47	3.03	3.30	3.98	3.95	3.49
Kansas	3.44	3.48	3.61	3.21	2.96	3.12	3.60	3.50
Kentucky	3.55	3.90	3.88	3.65	3.27	3.42	3.82	3.56
Louisiana	3.85	3.39	3.30	2.96	2.70	2.71	3.59	3.03
Maine	5.01	6.13	2.92	4.08	4.61	4.33	7.89	3.85
Maryland	4.47	4.18	3.94	3.53	3.45	3.30	4.28	4.12
Massachusetts	4.22	3.90	4.69	3.29	3.74	3.70	4.12	5.43
Michigan	3.06	2.90	3.01	3.11	2.83	2.93	2.95	2.86
Minnesota	3.33	3.63	NA	NA	3.06	3.42	4.24	2.85
Mississippi	NA	3.50	3.32	3.10	2.88	3.05	3.49	3.29
Missouri	4.33	3.68	3.40	3.07	3.34	3.02	3.87	4.23
Montana	2.80	3.02	3.05	2.72	2.57	2.91	3.00	2.65
Nebraska	3.69	3.36	3.54	2.97	3.12	3.50	3.79	3.14
Nevada	4.01	3.55	3.50	NA	2.59	3.27	3.01	3.20
New Hampshire	4.16	4.65	3.91	3.80	4.07	4.09	6.30	3.54
New Jersey	4.91	4.12	3.70	3.89	4.55	4.52	4.95	5.58
New Mexico	2.70	2.50	2.36	2.50	2.24	2.42	2.64	2.54
New York	NA	NA	NA	NA	2.92	2.86	3.72	3.28
North Carolina	4.05	3.83	3.99	3.57	3.33	3.61	3.94	3.74
North Dakota	3.59	3.66	NA	NA	3.07	3.38	4.22	3.34
Ohio	5.93	6.73	4.85	4.98	4.83	4.48	4.66	4.90
Oklahoma	2.88	3.01	2.66	NA	2.84	3.59	3.55	2.65
Oregon	3.31	3.04	3.14	2.97	2.93	3.03	3.44	3.10
Pennsylvania	4.28	4.72	3.87	3.44	3.65	3.33	4.03	4.23
Rhode Island	2.92	3.17	3.30	3.45	4.19	5.29	4.37	4.79
South Carolina	4.14	3.84	3.84	3.60	3.46	3.51	3.86	3.65
South Dakota	4.09	3.83	4.04	3.26	3.52	3.67	4.05	3.37
Tennessee	3.74	3.28	3.74	3.06	3.15	3.72	4.48	3.60
Texas	3.20	2.87	2.97	2.98	2.84	2.91	3.44	3.17
Utah	3.09	3.68	3.44	3.45	2.98	3.54	3.34	2.75
Vermont	3.71	3.80	3.56	3.46	2.85	1.43	3.85	3.42
Virginia	3.28	4.01	4.10	3.71	3.81	3.34	4.25	3.73
Washington	NA	NA	NA	2.75	2.63	3.38	3.28	2.81
West Virginia	3.26	NA	NA	3.45	3.40	3.07	3.82	3.50
Wisconsin	3.41	3.44	3.20	2.94	3.08	2.79	4.02	3.34
Wyoming	4.05	4.09	4.37	4.39	3.59	4.03	4.49	3.35
Total	3.70	3.54	3.50	3.30	3.16	3.24	3.76	3.31

^R Revised Data.

NA Not Available.

— Not Applicable.

Notes: Geographic coverage is the 50 States and the District of Columbia. Prices in this table represent the average price of natural gas by State at the

point where the gas transferred from a pipeline to a local distribution company within the State. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001				2000
				April	March	February	January	Total
Alabama	11.35	7.88	7.46	12.08	12.53	12.05	10.12	9.27
Alaska	4.16	3.41	3.56	4.16	4.19	4.17	4.11	3.57
Arizona	9.40	8.32	8.26	10.47	9.47	9.21	9.10	9.56
Arkansas	NA	NA	6.25	NA	NA	NA	NA	NA
California	12.88	6.84	6.43	11.89	13.73	13.72	12.07	8.18
Colorado	8.48	5.10	4.90	9.52	9.03	8.75	7.15	6.01
Connecticut	12.98	10.58	10.20	13.10	12.21	13.51	13.09	11.29
Delaware	10.24	7.77	8.13	11.14	10.78	10.31	9.27	8.34
District of Columbia	13.57	8.79	8.25	13.62	13.11	13.64	13.79	9.97
Florida	15.42	11.29	10.35	18.02	19.04	15.60	12.63	13.27
Georgia	NA	7.20	2.97	NA	9.44	11.55	10.46	9.11
Hawaii	22.45	20.39	18.34	21.71	22.10	22.81	23.21	21.87
Idaho	7.96	5.56	5.12	8.76	8.53	7.96	7.15	6.29
Illinois	10.88	5.46	4.62	9.28	9.62	11.33	11.86	7.35
Indiana	NA	6.00	5.65	NA	NA	NA	NA	NA
Iowa	9.85	5.83	5.12	9.34	8.48	9.76	11.16	7.86
Kansas	10.09	6.20	5.38	9.76	9.19	10.00	10.84	7.55
Kentucky	9.97	5.96	5.15	10.87	9.95	^R 10.89	^R 9.18	7.45
Louisiana	NA	6.32	5.76	8.69	NA	11.02	11.83	NA
Maine	NA	8.24	7.31	NA	NA	NA	NA	9.44
Maryland	12.01	7.96	7.46	12.68	10.82	12.85	11.94	9.52
Massachusetts	NA	9.14	10.26	NA	NA	NA	NA	9.91
Michigan	4.98	4.87	4.80	5.40	4.93	4.92	4.87	5.17
Minnesota	10.16	NA	5.03	8.67	8.73	9.39	12.62	NA
Mississippi	NA	NA	5.32	10.60	NA	9.62	11.78	NA
Missouri	10.21	6.28	5.75	11.19	10.76	10.93	9.01	NA
Montana	7.04	5.30	4.89	7.40	7.40	6.99	6.60	5.93
Nebraska	8.96	5.13	4.44	8.05	8.25	10.31	8.72	6.45
Nevada	7.67	6.26	6.86	8.95	8.47	6.51	7.91	6.62
New Hampshire	NA	8.13	7.20	NA	13.30	NA	NA	9.14
New Jersey	7.18	7.35	7.20	7.76	7.35	6.96	6.93	7.28
New Mexico	10.11	5.51	4.34	13.43	13.44	9.34	8.25	NA
New York	NA	NA	8.33	NA	NA	NA	NA	NA
North Carolina	11.98	8.21	7.42	12.58	12.56	11.92	11.52	9.48
North Dakota	9.03	NA	4.76	8.25	8.32	9.17	9.74	NA
Ohio	10.36	6.21	5.78	10.89	10.92	11.02	9.31	7.54
Oklahoma	8.45	5.89	5.18	9.61	8.70	9.09	7.23	6.96
Oregon	NA	7.36	6.80	9.25	9.10	8.94	NA	7.99
Pennsylvania	NA	NA	7.81	NA	NA	NA	NA	NA
Rhode Island	11.58	8.84	8.93	11.98	11.60	11.55	11.34	10.24
South Carolina	12.85	8.76	8.18	12.17	12.38	13.41	12.92	9.60
South Dakota	9.96	5.78	5.05	9.28	8.30	10.40	11.20	7.33
Tennessee	10.86	6.58	5.87	10.62	8.51	14.43	10.15	NA
Texas	NA	5.75	5.25	9.49	NA	9.53	9.46	NA
Utah	8.38	6.11	5.21	7.97	8.82	8.44	8.26	6.22
Vermont	9.27	7.44	6.65	9.46	9.26	9.23	9.18	8.13
Virginia	12.10	7.98	7.73	12.15	11.27	12.73	12.15	NA
Washington	NA	6.44	5.55	NA	NA	NA	NA	NA
West Virginia	NA	NA	7.04	7.32	NA	7.05	6.97	NA
Wisconsin	9.96	6.32	6.01	9.58	8.73	9.00	12.21	7.58
Wyoming	9.47	5.07	4.87	11.09	13.00	8.91	7.54	NA
Total	9.91	6.62	6.16	9.95	9.74	^R 10.15	^R 9.82	^R 7.70

See footnotes at end of table.

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2000							
	December	November	October	September	August	July	June	May
Alabama	9.79	11.92	12.09	13.41	13.47	13.23	12.23	9.53
Alaska	3.90	3.41	3.52	3.74	3.88	4.20	3.86	3.66
Arizona	9.06	10.14	13.15	13.68	14.09	14.76	12.42	11.19
Arkansas	NA	NA	NA	NA	NA	NA	NA	NA
California	10.45	9.51	9.86	8.82	8.72	8.90	8.35	7.75
Colorado	6.61	7.19	7.43	9.24	9.06	7.94	6.80	5.30
Connecticut	11.81	11.99	12.65	13.32	12.81	13.50	13.08	11.02
Delaware	8.52	9.65	12.24	13.83	9.53	9.66	9.41	7.19
District of Columbia	12.28	12.78	13.52	14.02	9.97	9.68	8.59	9.87
Florida	13.83	15.95	16.23	16.62	16.44	14.86	14.99	14.18
Georgia	11.13	12.13	11.31	15.23	11.50	10.37	11.49	7.13
Hawaii	23.59	22.88	23.24	22.96	22.67	22.09	22.20	22.11
Idaho	7.05	7.29	7.59	7.85	8.19	7.23	6.22	6.00
Illinois	8.76	8.72	10.14	10.54	10.84	11.19	9.87	8.60
Indiana	7.53	7.15	NA	NA	10.82	10.33	9.79	8.43
Iowa	9.55	8.08	9.98	12.81	13.34	12.12	13.08	12.10
Kansas	8.79	9.02	10.51	10.84	12.14	10.41	9.61	7.97
Kentucky	8.53	8.78	9.40	10.47	10.62	10.17	9.64	8.52
Louisiana	NA	9.89	10.98	10.94	NA	NA	10.68	8.46
Maine	10.85	10.46	11.19	12.46	—	12.32	10.98	8.96
Maryland	9.79	10.21	12.88	15.33	14.69	15.45	13.77	11.46
Massachusetts	11.20	11.14	10.89	12.25	12.51	11.27	9.51	9.49
Michigan	4.82	5.17	5.77	6.86	7.38	7.30	6.70	5.63
Minnesota	8.88	7.86	9.15	9.44	9.12	9.64	8.93	7.04
Mississippi	8.34	8.76	NA	NA	9.56	9.24	10.17	5.87
Missouri	9.09	9.22	NA	12.60	11.85	11.58	10.55	8.35
Montana	6.25	6.13	6.28	7.13	8.95	8.11	7.19	6.42
Nebraska	7.54	7.88	9.07	9.83	10.24	9.85	8.46	6.95
Nevada	6.29	6.33	7.47	8.11	8.44	8.11	7.67	7.18
New Hampshire	11.14	11.64	10.09	11.52	11.84	11.47	8.35	7.71
New Jersey	6.94	7.06	6.30	6.50	6.33	9.52	9.15	7.60
New Mexico	6.73	5.73	5.49	6.56	7.89	NA	4.69	9.11
New York	NA	NA	NA	NA	NA	NA	NA	NA
North Carolina	9.92	10.85	12.57	15.17	15.22	14.80	12.53	10.95
North Dakota	7.74	7.60	7.89	8.68	10.18	10.16	7.57	6.66
Ohio	9.26	9.22	9.23	10.40	10.70	9.74	8.71	7.30
Oklahoma	7.21	8.45	9.08	10.61	10.57	9.94	9.51	7.64
Oregon	8.82	9.08	7.80	9.33	9.92	9.30	8.42	7.91
Pennsylvania	9.21	9.26	NA	10.68	11.93	NA	NA	NA
Rhode Island	13.35	13.38	12.01	12.15	12.16	11.97	10.64	9.28
South Carolina	10.57	11.51	10.86	12.04	12.39	11.07	10.44	9.05
South Dakota	8.62	7.72	9.11	11.03	11.19	10.87	10.19	9.27
Tennessee	8.67	9.29	9.61	10.68	11.22	10.12	NA	7.90
Texas	8.41	8.52	10.58	11.28	NA	NA	9.97	6.99
Utah	6.30	6.15	6.01	5.76	6.77	6.99	6.99	6.82
Vermont	9.34	8.88	8.49	9.93	10.09	9.89	8.89	8.11
Virginia	11.33	11.09	NA	15.81	15.77	13.98	12.54	9.80
Washington	NA	NA	NA	9.30	8.92	7.85	7.12	6.77
West Virginia	7.16	7.65	8.25	10.16	10.86	10.85	9.60	7.80
Wisconsin	9.44	8.52	8.73	8.55	8.81	9.21	9.56	6.59
Wyoming	7.74	6.59	6.62	6.65	NA	7.50	6.17	5.45
Total	8.57	8.60	9.39	9.93	10.18	10.12	9.24	7.99

See footnotes at end of table.

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2000				1999			
	April	March	February	January	Total	December	November	October
Alabama	9.08	9.21	7.21	7.41	8.34	8.19	9.13	10.23
Alaska	3.45	3.53	3.36	3.34	3.64	3.45	3.58	3.70
Arizona	9.23	8.43	8.33	7.88	9.13	8.71	10.26	11.77
Arkansas	NA	NA	NA	NA	7.22	6.97	14.99	9.00
California	7.17	7.05	6.99	6.30	6.62	6.52	7.13	7.51
Colorado	5.33	5.14	5.08	4.96	5.38	5.28	5.80	6.21
Connecticut	11.04	10.54	10.51	10.49	10.54	11.23	11.08	11.36
Delaware	8.25	7.96	7.76	7.40	8.63	8.03	9.00	10.70
District of Columbia	9.28	8.99	8.69	8.54	8.70	8.93	10.15	11.40
Florida	13.27	11.95	10.45	10.62	11.59	10.69	12.45	13.98
Georgia	6.31	8.44	7.36	6.74	4.37	9.20	9.71	25.26
Hawaii	20.93	20.37	20.31	19.99	18.97	20.18	19.50	20.03
Idaho	5.74	5.61	5.56	5.45	5.42	5.56	5.81	5.91
Illinois	6.23	5.71	5.32	5.12	5.50	5.36	6.27	6.87
Indiana	6.62	6.38	6.16	5.41	6.03	5.40	6.10	6.54
Iowa	6.91	6.26	5.73	5.27	6.10	6.09	6.50	7.54
Kansas	6.80	6.38	6.03	5.98	5.98	6.08	6.90	7.41
Kentucky	6.75	6.21	6.04	5.56	5.72	5.92	5.86	6.93
Louisiana	6.81	6.99	6.13	5.92	6.83	7.34	8.35	8.74
Maine	8.96	9.30	7.34	7.87	7.47	6.63	6.81	7.83
Maryland	8.96	8.71	7.67	7.38	8.41	8.18	9.01	10.02
Massachusetts	9.79	9.41	8.86	8.91	9.25	8.32	8.92	8.15
Michigan	5.11	4.94	4.79	4.77	5.13	4.86	5.14	5.60
Minnesota	6.11	5.86	NA	NA	5.56	5.34	6.38	6.23
Mississippi	NA	6.86	5.66	5.81	5.99	6.00	7.19	7.79
Missouri	6.92	6.34	^R 6.07	6.16	6.36	6.46	6.92	7.83
Montana	5.27	5.43	5.28	5.25	5.16	5.03	5.33	5.61
Nebraska	5.72	5.38	5.06	4.76	5.06	5.22	6.01	6.51
Nevada	6.79	6.25	6.25	6.07	7.14	6.19	7.22	8.28
New Hampshire	7.18	8.51	8.32	8.15	7.67	8.65	9.28	7.38
New Jersey	7.58	7.58	7.16	7.29	7.46	7.38	7.21	8.19
New Mexico	4.99	6.04	5.26	5.72	5.03	4.16	3.83	4.52
New York	NA	NA	NA	NA	9.12	9.01	9.66	10.29
North Carolina	8.47	9.07	7.58	8.27	8.33	8.95	8.95	10.77
North Dakota	5.36	5.04	4.73	NA	5.32	5.35	5.92	6.15
Ohio	6.43	6.30	6.09	6.18	6.24	6.39	6.60	6.79
Oklahoma	6.35	6.23	5.57	5.80	5.97	6.35	8.66	8.12
Oregon	7.18	7.48	7.42	7.33	7.13	7.06	7.12	7.63
Pennsylvania	NA	7.79	NA	7.31	8.30	7.72	8.20	9.07
Rhode Island	9.46	8.73	8.59	8.87	9.53	9.54	10.00	10.45
South Carolina	8.86	9.53	8.40	8.76	8.46	8.61	8.70	9.04
South Dakota	6.24	5.97	5.87	5.36	5.83	6.10	6.27	7.09
Tennessee	7.54	7.34	6.45	6.03	6.53	6.91	7.89	8.28
Texas	6.91	6.20	5.49	5.27	6.09	5.60	7.30	8.46
Utah	6.36	5.91	6.16	6.16	5.37	5.49	5.90	5.11
Vermont	7.71	7.45	7.33	7.42	7.18	7.71	7.57	7.69
Virginia	8.90	8.32	7.78	7.65	8.61	7.99	8.73	11.76
Washington	6.54	6.46	6.43	6.39	5.88	5.82	5.89	6.05
West Virginia	7.50	NA	7.02	7.44	7.42	7.09	7.42	8.13
Wisconsin	7.10	6.49	6.19	5.99	6.17	6.07	6.96	5.45
Wyoming	5.38	5.05	4.94	5.00	5.11	4.96	5.29	5.20
Total	7.09	6.89	6.53	6.31	6.69	6.51	7.15	7.56

^R Revised Data.

NA Not Available.

— Not Applicable.

Notes: Data for 1999 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District

of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001				2000
				April	March	February	January	Total
Alabama	10.36	6.84	6.38	10.68	10.90	11.06	9.46	7.76
Alaska	2.67	2.10	2.40	2.45	2.69	2.75	2.73	2.06
Arizona	7.76	6.22	6.14	7.53	7.57	8.40	7.47	6.73
Arkansas	NA	NA	4.97	NA	NA	NA	NA	NA
California	12.66	6.62	6.04	11.14	13.70	13.76	11.91	7.58
Colorado	7.95	4.59	4.42	8.75	8.21	8.27	6.97	5.24
Connecticut	9.14	6.98	6.77	7.78	8.41	9.78	10.05	6.56
Delaware	9.10	6.21	6.67	10.10	7.96	11.18	7.78	6.94
District of Columbia	13.44	8.23	7.15	12.82	12.55	13.98	14.07	8.81
Florida	12.14	7.04	6.34	12.78	14.08	12.30	10.02	7.80
Georgia	NA	5.23	2.77	NA	9.77	10.20	10.90	5.99
Hawaii	17.79	16.23	13.38	16.78	17.31	18.15	18.91	17.29
Idaho	NA	4.92	4.57	8.17	7.81	NA	6.55	5.57
Illinois	10.31	5.22	4.47	8.61	9.10	10.85	11.23	6.94
Indiana	NA	5.35	4.96	NA	NA	NA	NA	NA
Iowa	8.45	4.91	4.23	7.68	7.57	8.69	9.11	6.61
Kansas	9.71	5.81	4.89	8.66	8.83	9.88	10.56	6.93
Kentucky	9.43	5.54	4.80	9.58	9.70	^R 10.26	^R 8.68	^R 6.81
Louisiana	NA	5.93	5.25	7.58	NA	10.41	11.55	NA
Maine	NA	7.05	6.73	NA	NA	NA	NA	5.88
Maryland	11.06	7.01	6.58	10.94	9.92	12.29	10.99	7.92
Massachusetts	NA	8.90	7.90	NA	15.93	14.09	NA	8.86
Michigan	4.87	4.68	4.74	5.08	4.85	4.80	4.83	4.85
Minnesota	9.39	NA	4.22	7.74	7.77	9.43	11.44	NA
Mississippi	NA	5.35	4.68	8.80	NA	9.17	11.59	NA
Missouri	10.06	5.81	5.44	10.46	10.77	10.62	9.05	6.90
Montana	6.32	5.11	4.89	7.52	9.50	5.01	6.42	5.72
Nebraska	8.48	4.47	4.04	7.16	7.79	9.86	8.41	5.49
Nevada	6.93	5.41	5.95	7.79	7.62	4.83	9.88	5.53
New Hampshire	NA	7.52	6.72	NA	NA	NA	NA	8.34
New Jersey	8.64	4.77	3.79	7.05	7.18	9.69	9.68	NA
New Mexico	7.99	4.32	3.86	9.45	8.87	7.85	6.93	NA
New York	9.40	NA	5.62	8.10	8.72	10.67	9.63	NA
North Carolina	10.97	6.73	6.00	10.30	11.48	11.71	10.43	7.50
North Dakota	8.69	NA	4.19	7.38	7.35	8.59	10.12	NA
Ohio	9.94	5.89	5.35	10.58	10.47	10.73	8.84	6.98
Oklahoma	8.97	5.76	4.79	8.67	8.61	9.11	9.19	6.36
Oregon	7.62	6.05	5.46	7.70	7.69	7.59	7.52	6.42
Pennsylvania	NA	7.10	7.28	11.97	NA	NA	NA	NA
Rhode Island	10.39	7.43	7.80	10.44	10.36	10.42	10.35	8.33
South Carolina	11.50	7.31	6.66	10.11	10.64	12.03	12.35	7.92
South Dakota	8.93	4.58	4.04	7.66	7.20	9.25	10.81	NA
Tennessee	10.30	5.69	5.40	9.33	8.88	12.47	9.89	NA
Texas	NA	4.57	4.28	7.29	NA	8.88	9.04	NA
Utah	7.12	4.66	4.00	6.54	7.28	7.23	7.19	4.90
Vermont	7.71	6.18	5.45	7.76	7.69	7.70	7.72	6.49
Virginia	NA	6.21	5.78	NA	9.34	10.99	10.85	NA
Washington	NA	5.56	4.76	NA	NA	NA	NA	NA
West Virginia	NA	6.16	6.26	6.38	NA	6.52	2.97	6.50
Wisconsin	9.05	5.28	4.76	8.31	7.87	8.21	11.11	6.29
Wyoming	8.57	4.32	4.33	10.81	10.00	8.00	6.96	5.20
Total	9.17	5.55	5.18	8.75	8.95	^R 9.53	^R 9.22	^R 6.19

See footnotes at end of table.

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2000							
	December	November	October	September	August	July	June	May
Alabama	8.99	9.50	8.95	8.72	8.62	8.72	8.23	7.12
Alaska	2.31	2.11	1.97	1.92	1.86	1.76	2.02	1.91
Arizona	7.24	8.12	7.07	6.96	6.78	7.18	6.58	6.60
Arkansas	NA							
California	10.43	8.74	8.41	7.86	7.37	7.49	6.97	6.55
Colorado	6.15	6.42	5.85	6.05	6.05	5.50	5.01	4.78
Connecticut	8.31	7.08	5.91	4.48	3.94	4.99	6.16	5.26
Delaware	8.10	7.37	7.86	18.62	7.51	7.28	6.89	6.85
District of Columbia	11.63	11.64	10.60	10.00	8.25	7.19	7.25	7.77
Florida	9.25	8.44	8.25	8.42	8.39	8.12	7.79	7.49
Georgia	7.35	7.41	7.32	6.52	6.52	6.29	6.22	5.49
Hawaii	18.30	18.11	18.15	17.96	17.48	17.41	17.66	17.59
Idaho	6.43	6.71	6.69	6.46	6.34	5.74	5.10	5.12
Illinois	8.68	8.47	9.54	9.10	9.34	9.98	10.39	7.63
Indiana	6.91	6.24	NA	NA	7.38	7.12	6.45	6.62
Iowa	8.83	7.18	7.67	8.70	8.27	7.75	8.95	9.59
Kansas	8.67	8.75	8.87	7.66	8.34	8.12	7.52	6.69
Kentucky	8.44	8.25	8.56	7.94	8.49	7.09	6.89	6.47
Louisiana	NA	8.75	9.15	8.27	7.91	7.69	8.36	6.43
Maine	1.76	3.10	5.00	9.58	—	9.06	8.08	7.44
Maryland	8.41	8.64	10.70	10.42	9.86	9.07	8.64	7.20
Massachusetts	10.36	9.48	8.89	7.03	8.69	7.89	6.73	7.77
Michigan	4.74	4.91	5.29	5.62	5.89	6.01	5.53	5.00
Minnesota	8.17	6.86	7.30	6.67	5.91	6.66	6.33	5.21
Mississippi	7.56	7.01	NA	NA	6.34	6.54	8.85	5.58
Missouri	8.97	8.38	8.32	8.27	7.98	7.20	6.83	6.24
Montana	5.89	6.27	6.30	6.79	7.88	7.14	7.03	6.26
Nebraska	7.41	6.59	7.44	6.16	5.70	5.95	5.57	4.73
Nevada	5.49	5.49	5.71	5.82	5.86	5.80	5.66	5.65
New Hampshire	10.78	10.37	8.75	9.08	8.87	9.16	7.28	7.09
New Jersey	7.63	5.98	5.95	NA	1.57	2.53	5.27	2.06
New Mexico	6.04	NA	4.14	4.55	5.45	4.91	3.53	3.91
New York	7.25	NA	NA	NA	NA	NA	3.09	NA
North Carolina	8.62	9.25	8.70	7.81	8.71	7.70	7.01	6.60
North Dakota	7.58	6.91	7.23	6.69	7.40	7.36	5.63	5.29
Ohio	8.80	8.71	8.37	8.64	8.95	8.03	7.33	6.61
Oklahoma	7.28	7.50	7.04	7.26	7.04	6.88	6.71	5.60
Oregon	7.53	7.55	5.81	6.33	6.39	6.48	6.16	6.07
Pennsylvania	8.56	8.25	NA	NA	8.93	8.43	7.87	7.87
Rhode Island	10.04	9.70	10.43	10.21	9.39	9.33	8.70	8.14
South Carolina	9.87	9.50	8.40	8.05	7.95	7.18	7.05	6.61
South Dakota	7.96	NA	7.22	7.76	7.69	7.00	7.18	6.97
Tennessee	8.43	8.50	8.07	7.15	7.64	7.73	NA	6.06
Texas	7.28	6.94	7.16	6.06	NA	NA	5.92	^R 4.67
Utah	5.44	5.42	5.12	4.61	4.71	4.40	4.40	4.37
Vermont	7.72	7.20	6.28	6.45	6.35	6.44	6.38	6.20
Virginia	NA	9.01	NA	8.65	7.96	8.49	7.50	6.38
Washington	NA	NA	NA	7.09	6.20	5.60	5.44	5.36
West Virginia	6.55	6.75	6.87	7.44	7.46	7.24	7.55	6.76
Wisconsin	8.36	7.32	7.08	6.64	6.24	6.65	6.47	4.96
Wyoming	7.39	6.09	5.77	5.19	5.57	5.27	4.92	4.70
Total	7.81	7.14	6.79	7.09	5.38	5.87	5.87	^R 5.46

See footnotes at end of table.

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2000				1999			
	April	March	February	January	Total	December	November	October
Alabama	7.09	7.39	6.49	6.78	6.68	6.95	7.04	6.84
Alaska	1.96	2.13	2.12	2.16	2.18	2.17	2.16	2.15
Arizona	6.31	6.23	6.24	6.14	6.17	6.20	6.33	6.31
Arkansas	NA	NA	NA	NA	5.38	5.31	7.39	5.94
California	6.74	6.89	6.87	6.05	6.14	6.77	6.75	6.70
Colorado	4.60	4.59	4.60	4.56	4.55	4.78	4.70	4.66
Connecticut	7.01	6.27	6.82	7.97	6.53	7.81	6.86	6.05
Delaware	6.58	6.40	6.46	5.69	7.00	6.92	7.19	7.49
District of Columbia	8.15	8.34	8.55	7.89	7.38	8.07	8.78	8.41
Florida	7.24	7.12	6.98	6.87	6.50	6.74	6.89	6.77
Georgia	5.22	5.18	5.15	5.37	3.87	6.95	7.09	14.20
Hawaii	16.71	16.09	16.12	16.02	14.33	15.80	15.90	15.71
Idaho	5.13	4.88	4.90	4.86	4.77	4.92	5.21	5.10
Illinois	5.92	5.41	5.08	4.95	5.20	5.34	6.12	6.28
Indiana	5.57	5.57	5.56	4.90	5.17	4.90	4.96	5.37
Iowa	5.48	5.17	4.91	4.57	4.79	5.23	5.28	5.47
Kansas	6.06	5.98	5.67	5.74	5.04	5.53	5.79	5.24
Kentucky	5.78	5.61	^R 5.52	5.43	5.14	5.76	5.59	5.75
Louisiana	5.89	6.15	5.93	5.79	5.73	6.28	6.82	6.31
Maine	7.30	7.72	6.79	6.65	6.65	6.25	5.48	6.84
Maryland	8.09	7.27	7.07	6.36	6.94	6.62	7.52	8.18
Massachusetts	8.22	9.78	8.68	8.95	7.63	7.85	7.62	7.08
Michigan	4.80	4.69	4.65	4.66	4.87	4.61	4.96	5.21
Minnesota	5.00	4.94	5.00	NA	4.44	4.46	5.20	4.61
Mississippi	5.84	5.58	5.19	^R 5.13	4.88	5.13	5.61	5.19
Missouri	6.09	5.54	5.79	5.90	5.47	5.89	5.63	5.49
Montana	5.65	4.97	5.23	4.88	5.13	5.09	5.40	5.70
Nebraska	4.64	4.65	4.56	4.19	4.14	4.37	4.66	4.37
Nevada	5.50	5.39	5.44	5.37	6.02	5.42	6.03	6.34
New Hampshire	6.67	7.85	7.80	7.44	6.86	7.78	8.10	6.29
New Jersey	5.21	4.53	4.59	4.93	3.99	4.88	4.35	4.33
New Mexico	7.27	4.06	4.00	4.22	3.78	3.60	3.10	2.92
New York	NA	NA	NA	NA	5.15	5.90	5.34	4.38
North Carolina	6.17	7.35	6.51	6.80	6.22	7.23	6.73	6.52
North Dakota	4.64	4.51	4.31	NA	4.51	4.76	5.21	5.17
Ohio	5.86	5.86	5.84	5.96	5.58	5.92	5.94	5.81
Oklahoma	5.56	5.97	5.62	5.85	5.09	6.06	6.36	5.30
Oregon	6.06	6.06	6.06	6.04	5.66	5.76	5.49	7.59
Pennsylvania	7.50	7.31	7.11	6.77	7.29	6.98	6.93	7.08
Rhode Island	7.97	7.70	7.39	6.94	8.03	7.87	8.03	8.17
South Carolina	7.02	7.57	7.26	7.36	6.54	7.06	7.18	6.05
South Dakota	4.77	4.64	4.68	4.36	4.52	5.10	4.87	5.37
Tennessee	6.38	6.52	6.05	4.78	5.73	6.61	7.02	5.52
Texas	4.89	4.43	4.61	4.42	4.42	4.24	4.90	4.82
Utah	4.24	4.63	4.70	4.82	4.13	4.54	4.72	3.98
Vermont	6.17	6.17	6.18	6.20	5.69	6.37	6.14	5.69
Virginia	6.30	6.18	6.25	6.14	5.99	6.17	6.37	6.53
Washington	5.33	5.44	5.44	5.93	4.89	4.85	5.10	4.35
West Virginia	6.50	6.29	5.97	6.14	6.23	4.79	6.47	6.58
Wisconsin	5.93	5.34	5.15	5.07	4.84	5.10	5.72	4.04
Wyoming	4.80	3.76	4.51	4.41	4.38	4.44	4.34	4.49
Total	5.63	5.37	5.66	^R5.54	5.33	5.56	5.72	5.46

^R Revised Data.

NA Not Available.

— Not Applicable.

Notes: Data for 1999 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Average prices for gas delivered to commercial consumers

reflect onsystem sales prices only. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. See Table 25 for data on onsystem sales expressed as a percentage of both total commercial and total industrial deliveries.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001				2000
				April	March	February	January	Total
Alabama	8.22	3.48	3.32	7.16	6.75	8.73	9.81	4.46
Alaska	1.54	1.43	1.18	1.51	1.55	1.55	1.56	1.57
Arizona	6.66	3.58	3.45	5.93	5.97	6.74	8.07	4.42
Arkansas	NA	NA	3.20	4.20	4.44	NA	5.30	NA
California	10.68	4.27	3.23	11.50	11.68	11.11	8.95	5.59
Colorado	4.45	NA	2.80	4.02	3.98	11.06	5.15	NA
Connecticut	9.41	5.40	4.26	8.05	8.18	11.55	9.87	5.81
Delaware	7.32	NA	4.01	7.38	11.56	4.62	7.39	NA
District of Columbia	—	—	—	—	—	—	—	—
Florida	8.14	4.20	3.42	8.40	8.16	7.85	8.13	5.15
Georgia	NA	3.98	2.79	NA	7.80	9.75	10.30	4.52
Hawaii	11.41	8.71	8.14	11.08	11.04	11.84	11.65	10.17
Idaho	5.75	3.50	3.20	6.89	6.35	5.56	4.87	3.97
Illinois	8.38	4.24	3.58	5.17	7.02	9.57	10.59	5.78
Indiana	9.26	4.43	4.08	9.41	12.41	8.09	8.85	4.54
Iowa	8.86	4.11	3.37	7.87	9.41	8.36	9.46	5.36
Kansas	8.39	3.74	3.16	7.03	7.49	10.27	8.66	NA
Kentucky	6.99	NA	3.16	7.08	7.76	^R 8.16	6.15	NA
Louisiana	7.16	2.94	2.12	5.83	5.88	6.54	10.13	^R 4.09
Maine	NA	5.24	5.63	NA	NA	NA	NA	NA
Maryland	16.45	6.59	5.37	11.71	13.58	21.16	17.19	7.31
Massachusetts	NA	6.71	5.18	NA	13.21	9.11	NA	^R 7.09
Michigan	4.30	3.98	3.72	4.30	4.36	4.30	4.25	4.24
Minnesota	8.54	3.33	2.71	6.24	10.09	6.78	11.91	4.48
Mississippi	7.55	3.54	2.94	6.08	6.44	6.95	10.17	NA
Missouri	8.91	4.91	4.31	9.09	9.76	10.22	7.63	5.86
Montana	5.21	4.66	3.26	4.91	5.01	6.10	4.75	4.78
Nebraska	7.57	3.65	3.18	6.77	7.16	8.59	7.53	4.58
Nevada	6.92	4.50	4.62	6.86	7.32	4.11	10.36	5.11
New Hampshire	NA	5.67	5.17	NA	NA	NA	NA	6.15
New Jersey	8.17	3.71	3.92	5.96	6.55	9.50	9.96	NA
New Mexico	6.97	2.80	2.57	8.04	6.95	7.37	3.72	NA
New York	5.65	NA	3.79	5.43	5.58	5.87	5.64	NA
North Carolina	8.72	4.73	3.61	6.80	^R 6.40	12.01	9.84	5.22
North Dakota	7.15	3.12	2.52	5.83	5.81	7.08	9.82	4.35
Ohio	9.41	5.14	3.91	10.19	10.31	11.06	7.83	6.01
Oklahoma	8.22	3.91	3.32	7.90	7.89	7.90	8.85	^R 4.64
Oregon	NA	4.39	3.95	NA	NA	5.93	6.21	4.43
Pennsylvania	NA	4.89	4.21	8.16	NA	NA	NA	NA
Rhode Island	7.91	4.44	4.65	7.24	7.40	7.99	9.03	5.38
South Carolina	7.79	4.03	3.03	6.61	6.64	7.97	10.41	4.88
South Dakota	7.30	3.43	3.07	5.66	6.42	8.75	7.91	4.36
Tennessee	8.49	4.29	3.68	7.26	7.64	10.26	8.58	4.90
Texas	6.29	2.79	2.04	5.37	5.34	5.95	7.86	NA
Utah	6.08	3.29	2.98	5.52	5.88	6.18	6.58	3.77
Vermont	6.09	4.14	2.77	4.71	5.44	6.38	8.41	4.65
Virginia	8.55	NA	3.99	6.14	6.51	9.60	10.11	NA
Washington	NA	3.43	2.49	NA	NA	NA	NA	NA
West Virginia	NA	5.62	2.71	6.36	NA	9.47	8.68	5.40
Wisconsin	8.28	4.31	4.02	7.75	7.04	7.37	11.36	5.62
Wyoming	7.09	3.29	3.30	7.65	7.39	6.77	6.77	3.99
Total	6.94	3.58	3.04	6.02	6.42	^R 6.95	8.00	^R 4.48

See footnotes at end of table.

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2000							
	December	November	October	September	August	July	June	May
Alabama	6.47	5.02	5.56	5.06	4.50	4.79	4.75	3.65
Alaska	2.34	1.61	1.56	1.59	1.60	1.55	1.51	1.40
Arizona	6.19	4.15	5.32	5.22	4.30	4.70	4.50	4.00
Arkansas	NA	4.35	NA	4.13	NA	NA	NA	NA
California	9.44	6.26	7.14	6.84	5.55	5.75	5.09	4.53
Colorado	3.93	3.90	3.76	3.44	3.45	3.65	3.49	3.01
Connecticut	7.79	7.17	6.78	5.16	5.45	5.43	4.86	4.67
Delaware	6.60	5.37	4.74	7.00	5.79	7.18	5.14	4.90
District of Columbia	—	—	—	—	—	—	—	—
Florida	6.93	6.72	6.56	5.63	5.29	5.08	5.29	4.88
Georgia	5.87	5.33	5.43	4.81	4.35	4.58	4.43	3.90
Hawaii	11.93	11.80	11.16	10.77	11.21	10.21	10.20	10.13
Idaho	5.47	4.76	4.67	4.05	3.96	4.47	3.43	3.44
Illinois	8.05	7.60	7.66	6.49	6.41	6.65	5.16	4.92
Indiana	4.74	4.86	5.46	3.82	4.56	4.13	3.68	5.04
Iowa	7.66	6.04	6.28	5.99	5.29	5.21	3.55	6.15
Kansas	6.58	NA	5.09	3.74	^R 3.97	4.10	3.81	^R 3.32
Kentucky	7.70	6.63	6.20	5.93	5.37	4.76	4.41	4.03
Louisiana	6.22	4.77	5.05	4.66	3.95	^R 4.48	4.41	3.27
Maine	NA	1.90	2.79	2.18	2.07	2.31	5.62	6.56
Maryland	8.55	7.36	8.24	7.84	8.26	6.84	6.87	6.35
Massachusetts	9.05	7.96	7.76	7.36	7.86	6.53	5.09	^R 6.00
Michigan	4.31	4.79	4.71	4.64	4.41	4.48	4.67	4.17
Minnesota	6.72	5.31	5.83	5.07	4.24	4.98	4.72	3.53
Mississippi	6.18	5.38	NA	5.25	4.57	5.09	4.71	3.64
Missouri	8.50	7.47	6.35	4.44	6.45	5.71	5.13	5.03
Montana	4.78	4.85	5.14	6.12	6.37	5.69	3.75	4.44
Nebraska	6.54	5.52	4.90	5.27	4.98	5.08	4.70	3.68
Nevada	6.10	6.26	7.78	6.54	4.62	5.43	3.95	4.39
New Hampshire	10.28	9.48	7.24	6.34	5.55	6.06	5.37	4.50
New Jersey	6.82	6.78	3.55	NA	6.53	5.44	4.39	3.96
New Mexico	5.07	NA	4.55	4.98	5.11	4.73	2.74	3.41
New York	5.42	NA	5.13	4.95	NA	4.88	4.97	5.30
North Carolina	6.23	9.66	5.81	5.14	7.84	5.12	4.24	3.61
North Dakota	6.30	5.09	5.86	5.05	4.46	4.76	4.68	5.33
Ohio	7.87	7.10	7.17	6.74	6.71	6.50	5.06	5.44
Oklahoma	6.48	^R 6.25	^R 5.45	^R 5.32	^R 5.11	^R 4.66	^R 4.76	3.68
Oregon	6.09	5.73	2.19	4.38	5.50	4.43	4.36	8.19
Pennsylvania	5.96	3.57	NA	4.82	4.90	4.72	4.85	4.69
Rhode Island	7.09	6.41	6.37	7.09	5.16	5.64	5.42	4.77
South Carolina	6.99	5.61	6.12	5.61	4.80	5.14	5.15	4.10
South Dakota	6.57	5.16	5.27	4.58	3.51	4.25	4.03	3.83
Tennessee	7.04	5.10	5.16	5.26	5.00	5.41	4.59	4.25
Texas	6.55	NA	^R 5.45	^R 4.95	NA	NA	4.25	3.31
Utah	5.55	4.72	4.53	3.92	3.87	3.03	3.02	3.16
Vermont	5.90	5.71	4.95	5.00	4.56	4.41	4.52	3.98
Virginia	8.08	6.17	4.72	4.66	4.89	5.15	3.91	4.15
Washington	NA	NA	NA	3.71	2.75	2.82	3.25	3.26
West Virginia	5.61	5.22	7.69	6.02	5.16	5.04	5.38	2.69
Wisconsin	7.94	6.66	6.55	5.89	5.07	5.68	5.43	4.02
Wyoming	4.92	4.63	5.27	3.52	6.45	3.47	3.73	3.51
Total	6.50	5.31	^R5.26	^R4.91	4.35	^R4.46	4.28	3.71

See footnotes at end of table.

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2000				1999			
	April	March	February	January	Total	December	November	October
Alabama	3.57	3.44	3.47	3.45	3.42	3.54	3.91	3.49
Alaska	1.49	1.43	1.41	1.40	1.25	1.37	1.34	1.29
Arizona	4.10	3.53	3.54	3.38	3.42	3.44	3.63	3.55
Arkansas	NA	3.56	3.58	NA	3.45	3.71	3.80	3.79
California	4.45	4.37	4.45	3.82	3.34	3.89	4.26	3.87
Colorado	3.00	2.83	NA	2.74	2.81	2.77	3.32	3.00
Connecticut	5.00	5.49	5.53	5.36	4.15	4.90	4.60	4.08
Delaware	5.05	NA	5.40	2.64	4.07	3.87	5.13	4.50
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.93	4.49	4.40	4.06	4.03	3.77	3.96	3.54
Georgia	3.89	3.68	4.00	4.31	3.41	4.35	4.27	4.24
Hawaii	9.57	8.53	8.48	8.28	8.21	8.28	8.19	8.29
Idaho	3.53	3.42	3.50	3.54	3.29	3.55	3.51	3.29
Illinois	4.33	5.05	3.78	4.06	4.06	4.58	4.76	5.17
Indiana	4.47	4.47	5.68	3.60	4.16	3.96	4.20	4.10
Iowa	4.26	4.26	3.88	4.14	3.98	5.02	4.97	4.65
Kansas	3.86	3.56	4.03	3.59	2.93	3.49	3.76	3.39
Kentucky	3.76	NA	4.07	3.87	3.32	4.14	3.67	3.36
Louisiana	3.15	2.94	2.92	2.77	2.54	2.66	3.54	2.70
Maine	5.42	5.80	5.16	4.60	4.93	4.98	4.71	4.60
Maryland	5.99	6.67	7.89	5.67	5.69	6.29	5.75	5.66
Massachusetts	6.57	6.42	7.22	5.96	5.23	5.85	5.54	4.98
Michigan	4.08	4.18	3.84	3.92	3.69	3.82	2.42	4.05
Minnesota	3.46	3.29	3.31	3.28	2.98	2.92	3.68	3.92
Mississippi	3.71	3.49	3.52	3.35	3.24	3.25	3.86	3.44
Missouri	5.04	4.65	5.12	4.87	4.42	4.94	4.34	4.42
Montana	5.88	4.22	4.51	4.40	3.44	3.33	3.36	4.01
Nebraska	3.65	3.77	3.70	3.51	3.38	3.59	4.09	3.62
Nevada	3.66	4.68	5.08	4.33	4.76	4.94	4.98	4.64
New Hampshire	5.39	4.02	7.70	7.03	4.60	8.38	5.77	3.75
New Jersey	4.02	3.33	4.00	3.55	3.14	2.22	2.39	1.86
New Mexico	2.41	2.84	2.79	3.44	2.69	0.95	2.29	3.19
New York	NA	NA	4.98	5.13	3.89	4.10	4.13	4.09
North Carolina	4.21	4.71	5.13	5.04	3.78	3.44	4.81	5.72
North Dakota	3.21	3.07	3.02	3.17	2.80	2.91	3.45	3.15
Ohio	4.49	4.97	5.39	5.38	3.94	4.33	4.15	3.99
Oklahoma	3.68	3.87	4.10	3.94	3.51	3.93	3.85	3.36
Oregon	4.38	4.46	4.31	4.39	4.01	4.31	4.19	3.94
Pennsylvania	4.67	4.69	4.96	5.20	3.99	4.34	4.07	3.92
Rhode Island	4.67	5.34	5.54	2.61	4.40	5.44	5.05	5.07
South Carolina	4.01	3.94	4.16	4.03	3.39	3.60	4.17	3.75
South Dakota	3.39	3.52	3.46	3.37	3.35	3.76	3.68	3.75
Tennessee	4.28	4.32	4.36	4.20	3.72	4.43	4.52	4.19
Texas	3.08	2.80	2.72	2.54	2.55	2.53	2.94	2.78
Utah	2.69	3.44	3.39	3.45	2.94	3.60	2.96	2.83
Vermont	3.98	4.01	4.38	4.21	3.06	3.70	3.53	3.37
Virginia	NA	4.27	4.09	5.58	3.95	4.46	5.97	3.39
Washington	3.50	3.36	3.50	3.39	2.78	1.71	3.50	2.85
West Virginia	6.09	5.02	5.62	5.59	3.04	3.21	3.97	3.60
Wisconsin	4.45	4.26	4.32	4.24	4.05	3.72	4.93	3.78
Wyoming	3.35	3.27	3.29	3.28	3.30	3.32	3.29	3.31
Total	3.63	3.55	3.70	3.46	3.10	3.05	3.51	3.20

^R Revised Data.

NA Not Available.

— Not Applicable.

Notes: Data for 1999 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Average prices for gas delivered to industrial consumers

reflect onsystem sales prices only. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. See Table 25 for data on onsystem sales expressed as a percentage of both total commercial and total industrial deliveries.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 24. Average Price of Natural Gas Delivered to Electric Utility^a Consumers, by State, 1999-2001
(Dollars per Thousand Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001			2000	
				March	February	January	Total	December
Alabama	7.62	3.93	2.19	6.26	6.04	9.75	4.85	1.18
Alaska	2.13	1.63	1.70	2.13	2.13	2.12	1.78	1.96
Arizona	7.05	2.84	2.25	5.69	6.76	9.53	4.96	8.65
Arkansas	7.34	2.92	1.92	5.49	6.31	8.88	4.42	10.81
California	12.41	3.14	2.67	10.33	14.57	12.35	6.04	19.91
Colorado	6.02	2.72	2.59	5.26	6.13	7.11	4.17	7.92
Connecticut	—	—	2.12	—	—	—	—	—
Delaware	8.40	4.78	2.85	6.94	7.43	10.46	4.84	11.14
District of Columbia	—	—	—	—	—	—	—	—
Florida	8.14	3.24	2.75	5.59	8.91	10.87	4.58	6.63
Georgia	7.66	4.73	1.64	8.07	6.90	7.23	4.32	10.85
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	7.37	2.93	2.00	5.57	6.44	9.49	4.94	10.60
Indiana	7.76	3.33	2.87	6.80	7.98	7.71	5.62	7.71
Iowa	6.17	3.14	3.37	6.23	7.11	5.31	4.60	7.04
Kansas	6.89	2.71	1.95	5.78	6.06	9.10	4.23	8.79
Kentucky	7.98	3.49	2.75	7.18	8.24	10.32	5.65	7.22
Louisiana	7.62	2.87	2.08	5.65	6.88	10.07	4.54	8.97
Maine	—	—	—	—	—	—	—	—
Maryland	—	3.54	3.21	—	—	—	4.61	—
Massachusetts	7.88	3.33	2.17	7.14	7.46	13.46	4.55	8.93
Michigan	3.54	2.23	1.42	5.32	5.11	1.33	2.94	2.81
Minnesota	8.11	3.02	2.87	5.31	7.83	11.79	4.49	6.52
Mississippi	7.54	2.79	1.98	5.37	6.38	10.26	4.17	9.29
Missouri	6.59	2.85	2.28	4.89	6.09	12.36	4.40	5.00
Montana	8.73	4.03	2.63	8.32	9.73	10.88	5.52	7.31
Nebraska	8.66	3.12	1.86	5.80	9.75	23.69	4.60	3.62
Nevada	9.04	2.87	2.21	7.60	9.05	10.52	5.02	11.56
New Hampshire	—	3.19	—	—	—	—	3.27	—
New Jersey	—	4.03	2.75	—	—	—	4.38	—
New Mexico	6.43	2.58	1.90	6.07	6.06	7.87	3.91	7.35
New York	10.04	3.83	2.54	6.32	8.12	17.03	4.72	10.22
North Carolina	—	4.27	3.33	—	—	—	4.52	8.79
North Dakota	6.52	—	—	6.52	—	—	—	—
Ohio	9.22	3.95	3.23	9.50	9.51	7.47	4.79	6.39
Oklahoma	7.72	3.22	2.40	6.42	6.23	10.20	4.53	7.76
Oregon	4.57	2.23	1.92	4.32	4.16	5.41	3.02	4.74
Pennsylvania	7.60	3.22	2.98	5.53	7.29	11.04	4.01	6.67
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	9.22	6.76	2.98	6.89	7.24	10.98	5.62	9.82
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	6.85	2.72	2.05	5.38	6.09	9.01	4.23	7.95
Utah	5.97	2.90	2.34	4.78	6.30	6.92	4.05	6.15
Vermont	6.37	3.30	2.49	5.84	7.69	—	4.91	7.05
Virginia	16.93	3.42	3.13	22.19	34.18	4.00	4.63	2.12
Washington	—	—	—	—	—	—	—	—
West Virginia	9.46	3.74	3.02	8.45	10.14	8.10	4.87	5.73
Wisconsin	6.74	3.20	2.65	5.88	6.57	8.65	4.63	7.23
Wyoming	4.99	2.81	5.78	5.06	4.91	5.00	3.96	4.22
Total	7.22	2.89	2.24	5.69	7.15	9.47	4.32	8.21

See footnotes at end of table.

Table 24. Average Price of Natural Gas Delivered to Electric Utility^a Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2000							
	November	October	September	August	July	June	May	April
Alabama	9.80	6.70	4.84	4.94	4.37	4.68	4.75	3.45
Alaska	1.98	1.97	1.82	1.77	1.75	1.63	1.74	1.75
Arizona	6.07	5.49	4.93	4.45	4.70	4.75	3.77	3.40
Arkansas	6.37	5.31	5.24	4.43	4.69	4.72	3.79	3.20
California	7.68	6.19	6.01	4.85	4.68	4.87	4.19	3.54
Colorado	4.97	4.00	3.73	3.94	4.06	3.96	3.48	3.08
Connecticut	—	—	—	—	—	—	—	—
Delaware	8.39	7.84	6.53	5.30	6.05	5.10	4.20	5.87
District of Columbia	—	—	—	—	—	—	—	—
Florida	5.57	6.35	5.54	4.73	5.10	5.15	3.89	3.68
Georgia	7.37	5.35	5.38	4.02	4.21	4.19	3.93	3.89
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	6.57	6.50	6.30	4.38	4.74	5.11	3.64	3.57
Indiana	5.80	6.61	5.97	4.38	4.43	5.80	4.42	4.19
Iowa	5.54	5.98	5.43	4.57	4.61	5.25	3.81	3.43
Kansas	5.74	5.12	4.91	4.41	3.99	3.87	3.54	3.15
Kentucky	5.81	6.26	5.28	4.73	5.09	6.06	7.17	5.83
Louisiana	5.64	5.62	5.19	4.47	4.64	4.75	3.62	3.22
Maine	—	—	—	—	—	—	—	—
Maryland	—	—	5.90	5.17	4.69	4.95	4.16	3.69
Massachusetts	5.56	5.94	5.58	5.07	4.74	4.97	3.97	3.67
Michigan	3.16	1.88	5.29	3.26	3.13	3.17	2.85	3.16
Minnesota	5.62	5.73	3.82	4.70	4.76	4.28	3.54	3.27
Mississippi	5.76	5.44	5.10	4.31	3.74	4.44	3.76	3.17
Missouri	6.34	5.37	5.27	4.73	4.45	4.51	3.77	3.23
Montana	13.52	7.46	4.54	5.26	5.35	4.94	3.37	3.53
Nebraska	5.99	5.51	5.62	4.43	4.78	4.33	4.07	3.53
Nevada	7.48	4.87	5.07	4.56	4.13	4.19	3.56	3.03
New Hampshire	—	—	—	—	—	—	3.70	3.47
New Jersey	—	—	5.42	—	5.19	4.77	3.79	3.77
New Mexico	5.28	4.82	4.58	4.35	4.38	4.27	3.35	2.99
New York	5.65	6.07	5.73	4.72	4.70	4.82	3.97	3.55
North Carolina	7.57	5.60	5.54	4.90	4.28	4.27	3.70	3.82
North Dakota	—	—	—	—	—	—	—	—
Ohio	5.81	5.89	6.39	5.97	5.35	3.39	5.49	1.25
Oklahoma	5.29	5.83	5.10	4.39	4.54	4.67	3.73	3.30
Oregon	3.78	2.71	2.67	2.40	2.81	3.35	2.75	2.50
Pennsylvania	6.02	5.77	—	—	3.18	5.09	3.42	3.25
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	7.02	6.55	6.34	6.26	5.42	5.36	5.03	4.39
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	5.23	5.34	4.80	4.31	4.34	4.40	3.50	3.06
Utah	5.23	4.66	3.57	3.60	3.58	3.79	3.45	3.13
Vermont	6.54	5.60	5.56	4.70	4.40	4.66	3.83	3.56
Virginia	9.11	7.65	7.53	5.31	5.06	5.48	4.09	4.00
Washington	—	—	—	—	—	—	—	—
West Virginia	6.03	6.15	4.87	5.52	5.84	4.19	3.75	4.19
Wisconsin	5.43	5.92	5.29	4.77	4.94	4.86	3.80	3.49
Wyoming	3.47	1.09	8.55	4.61	3.42	4.27	3.72	3.31
Total	5.35	5.16	4.87	4.28	4.34	4.44	3.62	3.22

See footnotes at end of table.

Table 24. Average Price of Natural Gas Delivered to Electric Utility^a Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2000			1999				
	March	February	January	Total	December	November	October	September
Alabama	1.41	2.94	4.94	2.98	3.72	3.09	3.95	3.64
Alaska	1.63	1.64	1.62	1.59	1.57	1.55	1.48	1.40
Arizona	3.01	2.94	2.64	2.67	2.62	3.04	2.96	3.03
Arkansas	2.99	2.86	2.84	2.59	2.60	2.56	2.90	3.06
California	3.38	3.23	2.83	2.76	2.74	3.00	2.98	3.19
Colorado	2.86	2.78	2.51	2.65	2.66	2.84	3.13	2.94
Connecticut	—	—	—	2.74	3.20	3.06	3.02	2.88
Delaware	5.86	5.87	3.61	2.98	3.81	3.70	3.34	3.35
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.36	3.33	3.03	3.10	2.95	3.56	3.22	3.54
Georgia	3.41	11.20	1.20	2.57	2.85	3.65	3.13	2.62
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	3.11	3.14	2.78	2.41	2.37	2.25	3.15	2.86
Indiana	3.52	3.31	3.29	2.97	3.26	4.05	4.56	4.04
Iowa	3.26	3.19	3.00	3.15	3.14	3.12	3.54	3.52
Kansas	2.92	2.69	2.56	2.36	2.57	2.87	2.81	2.73
Kentucky	4.93	3.59	3.17	3.49	2.93	4.25	3.45	3.33
Louisiana	2.97	2.96	2.71	2.59	2.49	3.09	2.87	3.07
Maine	—	—	—	—	—	—	—	—
Maryland	3.35	3.72	3.84	3.20	3.60	3.68	3.25	3.29
Massachusetts	3.40	3.42	2.98	2.72	3.39	2.88	3.10	2.99
Michigan	3.19	2.06	1.78	1.53	1.58	1.69	0.96	1.19
Minnesota	3.13	3.56	2.62	2.69	3.23	4.20	3.52	3.08
Mississippi	2.84	2.94	2.66	2.49	2.52	2.56	2.82	2.79
Missouri	2.99	2.85	2.75	2.66	2.78	3.00	3.06	2.81
Montana	3.88	3.71	4.13	2.01	1.39	1.44	2.48	5.15
Nebraska	3.31	3.24	2.87	2.80	3.05	4.18	2.89	3.05
Nevada	2.90	2.69	2.99	2.51	2.72	2.78	2.68	2.78
New Hampshire	3.19	3.18	—	2.67	—	—	—	3.02
New Jersey	3.51	4.15	4.98	3.08	3.69	3.08	3.35	3.24
New Mexico	2.66	2.58	2.47	2.31	2.39	2.40	2.58	2.69
New York	3.47	4.20	3.96	2.85	3.14	3.19	3.28	3.20
North Carolina	4.28	4.35	4.21	2.92	4.72	4.70	3.61	3.11
North Dakota	—	—	—	—	—	—	—	—
Ohio	4.03	4.60	3.46	3.15	4.20	3.11	3.11	2.91
Oklahoma	3.20	3.44	3.08	2.79	3.07	3.43	3.15	3.18
Oregon	2.27	2.20	2.22	1.96	2.20	2.26	2.00	1.83
Pennsylvania	3.07	3.35	3.24	3.03	3.08	3.15	3.09	2.95
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	4.07	7.47	8.54	3.57	4.06	3.80	3.84	3.99
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	2.83	2.73	2.59	2.51	2.60	2.94	2.76	2.88
Utah	2.96	2.83	2.86	2.65	2.68	3.14	3.12	2.85
Vermont	3.32	3.33	3.09	3.23	2.92	3.78	2.17	3.25
Virginia	3.21	4.01	3.23	3.16	3.69	3.96	4.29	3.35
Washington	—	—	—	—	—	—	—	—
West Virginia	4.10	3.07	4.36	3.00	—	2.95	2.88	2.91
Wisconsin	3.23	3.16	3.22	2.93	2.97	3.44	3.29	3.45
Wyoming	2.94	2.70	2.82	3.89	1.98	2.39	3.95	5.75
Total	2.99	2.95	2.73	2.62	2.68	3.01	2.83	2.98

^a Includes all steam electric utility generating plants with a combined capacity of 50 megawatts or greater.

— Not Applicable.

Notes: Data for 1999 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District

of Columbia.

Sources: Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1999-2001

State	YTD 2001		YTD 2000		YTD 1999		2001	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	April	
							Commercial	Industrial
Alabama	82.9	14.0	79.3	16.4	82.4	23.2	80.6	12.6
Alaska	65.9	92.4	72.1	92.8	50.9	99.9	65.7	99.7
Arizona	92.1	49.8	83.0	37.7	84.8	30.9	89.3	51.4
Arkansas	NA	NA	NA	NA	91.5	10.4	NA	10.7
California	66.2	3.8	58.3	7.0	62.2	12.4	70.2	6.0
Colorado	99.9	6.5	95.8	11.4	97.4	9.0	100.0	0.2
Connecticut	75.6	56.5	78.1	43.3	69.7	60.5	73.1	52.8
Delaware	98.5	18.8	98.1	13.7	99.1	21.0	98.7	13.4
District of Columbia	28.6	—	43.2	—	52.2	—	24.1	—
Florida	59.7	2.9	66.0	2.8	95.7	5.9	57.7	3.5
Georgia	NA	NA	10.3	8.5	84.8	22.4	NA	NA
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	88.8	2.8	88.7	3.3	88.4	3.0	86.4	2.1
Illinois	44.0	12.5	44.2	9.6	47.1	11.2	40.4	8.2
Indiana	NA	9.9	78.8	7.9	81.7	7.6	NA	6.3
Iowa	86.0	7.0	83.5	7.2	85.2	8.1	77.2	4.7
Kansas	66.0	2.4	62.8	5.6	73.0	6.9	67.1	2.4
Kentucky	84.3	19.9	86.5	14.0	89.7	18.9	75.6	12.0
Louisiana	NA	8.3	96.5	9.0	94.1	8.2	97.2	8.6
Maine	NA	NA	100.0	55.9	100.0	84.0	NA	NA
Maryland	43.6	4.4	NA	5.5	37.7	7.2	35.2	3.3
Massachusetts	NA	NA	63.1	17.2	59.5	18.0	NA	NA
Michigan	67.5	12.9	62.0	9.3	62.9	13.3	62.6	12.5
Minnesota	98.6	42.4	NA	37.9	97.1	38.8	98.6	41.4
Mississippi	NA	26.7	96.2	32.4	96.9	27.4	95.1	31.8
Missouri	86.0	18.2	83.0	18.0	83.9	25.8	82.6	13.5
Montana	79.9	3.5	76.1	2.5	81.4	1.9	75.1	3.1
Nebraska	65.4	24.1	61.3	18.3	63.9	18.8	60.8	18.7
Nevada	74.6	6.7	61.8	8.1	67.6	10.5	64.2	18.1
New Hampshire	NA	NA	92.9	35.3	95.0	23.9	NA	NA
New Jersey	45.2	24.0	40.8	43.9	56.3	48.8	46.6	13.5
New Mexico	63.8	37.1	58.3	16.0	65.7	10.0	48.5	47.9
New York	67.9	21.9	NA	NA	63.2	2.9	65.8	47.9
North Carolina	97.8	36.9	94.9	43.3	96.0	42.7	96.1	30.0
North Dakota	91.1	13.0	NA	20.8	89.9	16.3	88.9	8.3
Ohio	45.1	4.3	43.5	3.3	51.1	6.1	40.5	2.8
Oklahoma	77.2	5.0	77.5	6.8	79.4	5.0	63.3	3.2
Oregon	99.9	NA	99.3	14.4	98.9	16.0	99.4	NA
Pennsylvania	NA	NA	59.5	10.3	59.8	12.5	60.6	6.6
Rhode Island	63.9	4.0	58.2	9.8	59.6	4.4	63.9	100.0
South Carolina	98.0	84.8	98.4	83.0	97.6	86.1	97.4	81.5
South Dakota	86.2	30.6	82.1	45.7	84.8	48.1	84.1	21.7
Tennessee	94.5	23.6	93.1	25.2	91.3	34.8	91.7	19.8
Texas	NA	25.9	83.4	21.0	80.2	16.9	50.6	22.0
Utah	87.0	10.6	85.7	9.6	84.6	9.5	84.6	92.2
Vermont	100.0	82.9	100.0	82.8	100.0	81.1	100.0	79.4
Virginia	NA	13.1	69.1	NA	69.4	15.8	NA	12.4
Washington	NA	NA	94.1	24.0	90.3	27.1	NA	NA
West Virginia	NA	NA	57.6	1.9	60.2	11.6	72.7	9.7
Wisconsin	78.4	23.9	82.5	20.2	82.5	22.7	75.5	17.3
Wyoming	63.9	6.1	89.9	1.7	93.7	3.0	60.2	4.8
Total	66.8	16.0	65.6	15.8	69.9	16.9	64.8	14.1

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1999-2001 — Continued

State	2001						2000	
	March		February		January		Total	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	77.3	12.2	84.3	15.0	85.8	16.7	76.3	16.1
Alaska	67.9	99.6	64.6	99.6	65.3	99.6	73.3	93.3
Arizona	95.7	50.8	91.5	52.5	91.6	44.7	83.2	37.5
Arkansas	NA	13.6	NA	NA	NA	14.6	NA	NA
California	64.6	8.5	66.8	8.5	64.1	9.5	56.1	5.0
Colorado	99.8	—	100.0	0.1	99.9	—	96.1	12.5
Connecticut	77.8	53.5	74.4	51.2	76.5	68.4	78.9	48.2
Delaware	98.5	20.4	98.7	29.7	98.4	11.1	98.0	11.1
District of Columbia	28.8	—	28.2	—	32.5	—	34.7	—
Florida	56.8	2.8	61.5	3.7	62.1	4.7	62.5	2.7
Georgia	9.1	6.7	13.2	8.2	12.0	9.9	9.1	7.5
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	88.6	2.5	90.3	3.2	88.8	3.3	^R 86.0	2.8
Illinois	42.6	10.8	43.7	13.6	46.6	13.4	40.6	8.6
Indiana	NA	6.5	NA	13.3	NA	14.2	NA	9.1
Iowa	83.2	6.3	84.9	8.8	92.6	8.0	79.2	7.1
Kansas	64.8	2.6	63.8	2.4	68.1	2.5	57.1	NA
Kentucky	82.7	16.4	^R 84.0	^R 18.9	^R 88.0	29.7	^R 84.1	14.4
Louisiana	NA	6.3	97.0	8.3	96.6	8.5	NA	9.0
Maine	NA	NA	NA	NA	NA	NA	100.0	43.5
Maryland	46.2	3.9	45.4	4.8	44.6	7.8	NA	5.6
Massachusetts	59.4	53.1	58.9	39.7	NA	NA	60.7	13.4
Michigan	68.2	14.4	68.8	16.2	68.4	17.6	58.6	7.6
Minnesota	99.4	48.0	98.7	53.0	98.0	28.0	NA	39.0
Mississippi	NA	25.3	88.5	35.1	96.8	30.0	NA	NA
Missouri	83.5	18.0	85.6	15.7	89.4	23.7	79.0	15.7
Montana	61.8	0.1	88.2	3.9	79.9	3.8	^R 74.6	2.0
Nebraska	60.7	27.5	61.8	26.8	78.2	23.1	59.9	14.6
Nevada	65.3	15.4	84.4	37.1	73.8	33.1	55.8	4.4
New Hampshire	NA	NA	NA	NA	NA	NA	86.9	34.4
New Jersey	47.9	15.0	43.6	26.3	44.1	25.5	NA	NA
New Mexico	66.4	33.5	68.0	29.7	67.9	25.2	NA	NA
New York	67.7	52.7	69.9	54.9	67.7	52.2	NA	NA
North Carolina	96.9	^R 28.5	98.2	^R 31.0	98.8	38.3	95.3	^R 49.2
North Dakota	88.9	18.4	92.2	13.9	92.3	15.3	NA	15.5
Ohio	41.9	3.0	43.3	4.4	50.7	6.1	41.0	2.7
Oklahoma	77.9	4.3	78.1	4.9	82.4	^R 8.2	71.5	^R 5.1
Oregon	100.0	NA	100.0	17.3	100.0	27.5	99.2	14.2
Pennsylvania	NA	NA	NA	NA	NA	NA	NA	NA
Rhode Island	62.5	100.0	64.9	100.0	64.4	100.0	53.9	9.4
South Carolina	96.8	81.4	98.3	86.5	99.0	91.1	98.4	83.5
South Dakota	86.7	27.3	85.1	34.3	88.3	43.5	NA	28.8
Tennessee	92.8	24.0	95.0	22.8	95.8	26.8	NA	25.1
Texas	NA	21.3	47.7	27.8	54.6	29.8	NA	NA
Utah	85.7	94.0	87.6	94.2	88.4	94.9	84.3	10.3
Vermont	100.0	79.7	100.0	80.4	100.0	96.0	100.0	83.8
Virginia	77.9	14.3	79.8	16.7	75.3	19.3	NA	NA
Washington	NA	NA	NA	NA	NA	NA	NA	NA
West Virginia	NA	NA	80.3	1.6	76.8	6.5	54.0	2.1
Wisconsin	73.8	25.1	81.1	25.5	81.7	24.1	79.4	20.6
Wyoming	57.3	7.3	59.6	8.1	79.3	5.2	^R 89.7	2.8
Total	65.7	15.0	^R 66.7	^R 16.8	^R 68.7	^R 17.8	64.0	^R 15.6

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1999-2001 — Continued

State	2000							
	December		November		October		September	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	79.1	22.0	67.5	17.8	68.1	16.1	70.5	15.2
Alaska	74.3	99.6	72.2	99.6	73.4	99.6	75.1	99.7
Arizona	90.1	37.9	83.3	47.0	78.0	40.3	81.1	34.0
Arkansas	NA	NA	NA	14.2	NA	NA	NA	10.6
California	62.6	6.7	55.6	5.6	56.5	4.6	49.2	4.2
Colorado	97.1	0.1	95.4	0.2	95.4	0.4	95.9	1.8
Connecticut	78.9	49.9	75.8	55.5	79.9	57.8	82.7	36.9
Delaware	97.5	11.7	97.5	15.0	97.8	7.7	94.9	12.0
District of Columbia	31.9	—	26.5	—	22.9	—	19.9	—
Florida	62.9	3.2	57.9	2.6	58.9	3.6	58.0	3.5
Georgia	6.2	24.8	6.0	9.0	8.7	8.1	10.1	7.0
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	^R 87.7	12.3	82.4	2.3	75.7	2.3	80.2	1.9
Illinois	42.2	12.6	43.9	10.5	32.9	6.3	32.9	6.1
Indiana	83.4	15.9	79.7	15.4	NA	9.3	NA	9.3
Iowa	82.6	12.0	80.5	8.3	74.9	7.3	69.1	5.9
Kansas	58.9	2.9	43.5	NA	47.7	7.3	51.0	15.6
Kentucky	82.6	17.7	85.3	13.7	82.4	13.6	80.2	12.7
Louisiana	NA	8.7	94.0	9.8	96.2	7.4	96.3	8.2
Maine	100.0	16.4	100.0	23.5	100.0	39.2	100.0	47.4
Maryland	47.3	9.3	39.1	2.5	35.3	10.3	27.8	8.9
Massachusetts	66.8	30.2	60.3	33.6	57.2	20.3	62.4	25.2
Michigan	67.5	14.8	59.7	9.8	50.2	7.7	43.0	4.5
Minnesota	98.3	44.7	97.5	43.7	98.9	42.3	99.0	33.7
Mississippi	95.7	48.8	94.3	47.5	NA	NA	NA	44.3
Missouri	83.6	24.0	72.1	13.1	61.0	8.4	80.6	23.9
Montana	86.7	0.2	77.0	0.1	67.3	0.1	^R 68.5	—
Nebraska	53.2	19.2	69.6	18.3	64.8	16.5	62.3	6.9
Nevada	75.4	29.6	54.7	20.0	48.3	14.2	44.3	11.0
New Hampshire	80.6	31.7	83.6	23.7	77.4	27.7	73.3	32.0
New Jersey	44.5	22.0	50.8	19.8	42.3	15.3	NA	NA
New Mexico	69.8	17.3	NA	NA	73.9	30.6	41.7	30.8
New York	64.6	51.1	NA	NA	NA	50.1	NA	57.0
North Carolina	96.7	36.4	89.5	24.3	99.5	61.7	99.8	59.0
North Dakota	92.9	25.1	91.8	19.5	88.0	11.7	82.6	9.0
Ohio	45.4	3.5	38.3	3.7	35.1	1.1	31.8	1.0
Oklahoma	81.9	^R 6.9	70.9	^R 4.2	56.0	3.3	45.5	^R 3.3
Oregon	99.5	27.0	99.0	19.3	99.0	33.7	98.7	16.3
Pennsylvania	65.1	13.5	61.7	18.3	NA	NA	NA	9.2
Rhode Island	55.7	100.0	46.5	100.0	40.6	100.0	39.5	100.0
South Carolina	98.3	81.2	95.1	78.5	100.0	84.5	100.0	85.2
South Dakota	89.0	42.9	NA	24.5	79.7	26.6	70.9	13.1
Tennessee	93.5	21.9	90.8	25.3	85.9	28.7	74.0	26.8
Texas	82.6	30.1	77.2	NA	77.0	^R 18.3	79.2	^R 19.4
Utah	87.4	94.2	85.7	98.7	80.3	94.0	80.3	94.2
Vermont	100.0	93.0	100.0	83.9	100.0	82.3	100.0	82.9
Virginia	NA	10.3	69.7	26.1	NA	17.1	62.9	13.9
Washington	NA	NA	NA	NA	NA	NA	89.0	36.2
West Virginia	73.5	4.3	56.3	4.0	47.6	1.7	32.9	1.5
Wisconsin	82.9	31.9	79.1	24.3	72.4	18.5	64.5	16.2
Wyoming	96.6	2.8	83.6	2.5	86.5	3.1	^R 85.0	2.8
Total	^R 68.5	^R 18.4	64.1	18.2	60.8	^R 14.1	58.3	^R 14.1

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1999-2001 — Continued

State	2000							
	August		July		June		May	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	74.1	15.1	73.6	14.4	71.6	14.2	75.4	13.9
Alaska	76.9	99.9	77.3	99.9	81.7	99.9	68.1	99.8
Arizona	84.5	34.7	81.9	33.3	82.5	38.6	80.6	32.8
Arkansas	100.0	NA	NA	NA	NA	NA	NA	NA
California	46.4	4.1	51.7	4.5	57.3	5.1	55.3	5.5
Colorado	96.6	3.2	96.7	3.3	97.2	1.9	96.9	0.8
Connecticut	81.1	64.3	83.1	50.3	80.7	45.4	79.4	53.2
Delaware	98.4	9.1	98.7	3.2	98.3	9.6	98.6	7.3
District of Columbia	21.7	—	28.6	—	28.0	—	30.0	—
Florida	59.7	3.3	60.3	3.2	61.7	4.3	63.5	3.7
Georgia	9.8	7.0	9.8	6.5	11.6	6.8	13.1	6.6
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	81.7	2.5	83.5	2.2	85.0	1.9	82.8	2.3
Illinois	28.9	4.8	26.2	5.6	25.9	4.9	32.5	4.6
Indiana	67.6	8.0	68.4	7.9	67.5	8.2	72.0	5.7
Iowa	75.4	4.6	69.0	3.7	66.2	7.1	51.6	4.7
Kansas	43.4	^R 22.7	44.1	^R 21.3	46.4	^R 14.8	55.1	^R 9.7
Kentucky	79.2	15.1	79.8	13.7	76.3	15.6	77.3	14.3
Louisiana	95.9	7.1	96.2	^R 10.2	96.7	9.4	96.8	8.2
Maine	—	44.0	100.0	51.7	100.0	60.5	100.0	57.6
Maryland	30.6	3.6	27.1	8.7	22.9	4.4	27.2	5.7
Massachusetts	50.0	23.3	49.9	23.6	49.6	30.2	54.7	^R 28.0
Michigan	41.1	4.5	36.6	4.8	41.6	5.8	50.8	7.2
Minnesota	98.6	41.2	97.2	37.0	96.3	24.9	98.3	59.6
Mississippi	100.0	68.3	94.7	35.1	92.1	46.3	93.7	45.9
Missouri	65.5	14.4	67.5	10.4	68.9	10.8	74.8	12.1
Montana	^R 64.9	—	^R 65.6	—	54.5	—	58.9	0.1
Nebraska	64.3	15.0	67.1	6.0	47.8	11.4	53.1	17.2
Nevada	42.2	11.1	36.4	20.2	46.0	14.0	48.0	16.2
New Hampshire	69.5	33.3	73.3	37.0	86.0	36.1	87.6	43.6
New Jersey	73.7	22.5	31.3	12.3	43.7	31.3	70.4	26.9
New Mexico	54.3	28.4	49.0	20.5	44.2	21.3	53.5	17.4
New York	NA	NA	22.5	22.5	53.7	17.4	NA	16.4
North Carolina	84.5	26.4	100.0	65.3	100.0	66.8	100.0	62.2
North Dakota	83.8	9.8	80.4	16.0	82.8	5.0	82.4	12.8
Ohio	30.1	0.8	29.9	1.2	26.2	1.4	38.6	1.6
Oklahoma	49.3	^R 3.7	47.8	^R 3.7	72.0	3.1	60.8	5.3
Oregon	98.8	13.1	98.9	15.7	99.1	16.7	99.1	9.2
Pennsylvania	50.7	9.0	54.1	11.9	57.5	10.2	56.1	8.8
Rhode Island	40.1	100.0	42.3	100.0	46.7	100.0	61.2	100.0
South Carolina	95.2	78.8	100.0	85.6	100.0	85.4	100.0	87.2
South Dakota	77.7	10.9	72.7	14.2	73.5	18.8	79.1	31.6
Tennessee	85.7	20.9	83.8	20.1	NA	28.3	89.4	28.3
Texas	NA	NA	NA	NA	80.6	19.9	^R 78.7	16.5
Utah	75.2	94.6	77.9	94.3	77.9	95.1	77.0	94.4
Vermont	100.0	79.6	100.0	81.0	100.0	92.4	100.0	82.0
Virginia	56.3	16.8	55.0	12.6	53.3	11.1	53.7	16.3
Washington	88.0	27.3	89.3	28.6	90.9	26.9	91.1	29.9
West Virginia	33.7	1.4	37.8	2.3	34.4	1.5	46.1	1.9
Wisconsin	66.9	15.4	66.2	15.0	68.3	15.5	73.6	11.8
Wyoming	85.6	2.5	87.1	2.6	95.2	10.8	89.5	1.9
Total	59.6	^R14.4	57.4	^R14.6	58.8	^R15.2	^R61.7	14.3

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1999-2001 — Continued

State	2000							
	April		March		February		January	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	73.7	16.5	76.3	14.9	83.6	18.1	79.5	17.0
Alaska	73.7	99.9	74.8	99.8	71.1	99.8	69.6	99.8
Arizona	81.5	27.5	82.7	38.7	83.1	40.8	84.5	42.0
Arkansas	NA	NA	NA	13.1	NA	13.2	NA	NA
California	56.5	6.2	58.7	6.1	59.8	7.0	58.0	6.4
Colorado	97.1	0.4	96.6	0.3	93.3	0.3	96.7	0.3
Connecticut	77.1	30.6	79.4	45.9	80.8	52.9	73.9	43.3
Delaware	98.6	11.0	97.2	17.2	98.2	11.8	98.2	14.5
District of Columbia	34.2	—	37.4	—	49.3	—	48.9	—
Florida	64.4	4.1	65.8	3.2	67.6	2.5	65.8	3.8
Georgia	11.2	7.5	12.2	7.9	12.0	9.9	7.8	9.3
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	88.1	2.8	87.7	3.6	89.1	3.7	89.5	3.3
Illinois	40.4	7.4	44.1	8.0	45.5	9.9	44.8	10.7
Indiana	79.6	8.0	80.0	8.4	81.7	6.7	75.0	9.3
Iowa	77.1	5.5	83.8	8.7	84.2	8.0	85.6	8.4
Kansas	62.8	6.0	59.6	7.6	66.9	5.0	61.3	4.3
Kentucky	84.2	14.2	84.5	14.2	^R 87.2	12.2	87.8	15.5
Louisiana	97.4	8.2	97.1	8.2	98.0	7.9	93.9	8.2
Maine	100.0	55.1	100.0	57.1	100.0	55.1	100.0	56.3
Maryland	27.5	1.4	35.1	6.1	41.2	7.1	NA	8.8
Massachusetts	56.4	26.8	56.3	38.0	66.2	32.6	71.0	34.2
Michigan	56.0	9.3	61.0	10.1	64.5	13.8	63.7	12.5
Minnesota	96.1	39.6	95.9	38.9	95.1	34.2	NA	39.7
Mississippi	95.1	43.0	96.0	43.4	96.7	46.3	^R 96.3	29.3
Missouri	78.9	15.3	81.7	16.4	85.5	17.1	83.3	23.1
Montana	64.5	0.1	81.9	0.2	74.0	0.2	79.7	0.2
Nebraska	55.7	15.1	58.9	17.0	66.0	19.1	61.9	20.0
Nevada	53.6	19.2	60.6	26.5	62.5	26.9	67.3	30.2
New Hampshire	85.7	38.2	94.4	40.4	94.9	32.7	93.9	28.0
New Jersey	41.4	26.3	41.3	26.5	42.4	23.4	38.1	26.1
New Mexico	29.9	19.1	61.4	14.0	62.7	13.9	63.8	9.0
New York	NA	NA	NA	NA	NA	33.6	NA	46.0
North Carolina	99.8	59.6	91.6	27.9	93.1	^R 46.5	97.2	^R 35.9
North Dakota	72.0	17.4	89.4	18.3	89.2	25.7	NA	22.8
Ohio	41.7	2.2	39.7	2.6	45.2	3.5	45.5	3.4
Oklahoma	70.2	6.0	73.6	6.8	80.4	7.7	81.4	7.8
Oregon	99.1	16.7	99.2	19.4	99.4	19.9	99.4	18.3
Pennsylvania	57.1	10.0	59.9	9.1	59.8	9.5	60.1	10.5
Rhode Island	49.5	100.0	60.7	100.0	62.7	100.0	57.1	100.0
South Carolina	100.0	87.2	95.6	80.1	99.8	82.6	98.0	80.3
South Dakota	95.7	44.1	68.6	45.5	84.6	44.8	85.2	48.2
Tennessee	90.7	25.7	92.8	24.5	91.9	24.7	95.3	26.0
Texas	80.1	17.3	81.0	20.0	86.1	19.2	84.7	19.1
Utah	79.4	92.0	84.2	94.9	88.6	94.5	87.1	93.2
Vermont	100.0	81.5	100.0	80.8	100.0	83.0	100.0	87.4
Virginia	64.8	NA	65.1	18.8	69.1	17.1	74.2	22.7
Washington	93.0	23.1	94.6	31.5	93.9	31.4	94.5	34.0
West Virginia	49.3	1.9	48.1	1.3	71.0	1.8	57.3	2.4
Wisconsin	79.1	18.9	81.4	19.3	83.5	20.6	84.0	22.6
Wyoming	93.3	1.5	87.5	2.2	92.4	1.7	88.1	1.7
Total	63.3	15.2	63.5	15.6	^R 67.5	16.4	66.7	16.0

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1999-2001 — Continued

State	1999							
	Total		December		November		October	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	70.5	21.8	69.1	21.8	58.3	20.7	51.9	20.5
Alaska	55.4	99.1	62.2	97.5	61.9	97.6	54.8	97.4
Arizona	82.5	36.2	81.3	42.2	78.7	42.9	79.7	38.5
Arkansas	89.3	10.1	91.9	10.6	85.2	11.3	84.9	11.2
California	57.4	12.9	58.1	11.4	54.5	10.0	55.7	10.9
Colorado	97.5	7.1	98.1	2.5	98.0	3.0	97.8	4.1
Connecticut	62.9	55.8	62.3	50.1	58.4	51.1	56.6	52.4
Delaware	98.8	16.6	98.0	12.6	98.2	13.6	98.4	9.2
District of Columbia	46.0	—	50.3	—	43.5	—	36.6	—
Florida	94.5	5.0	92.8	5.3	92.9	4.6	92.6	4.7
Georgia	61.0	23.9	9.5	35.6	11.0	26.1	14.5	26.7
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	86.0	2.7	85.6	2.5	82.4	2.5	78.9	2.1
Illinois	42.8	9.1	43.1	10.0	39.5	9.3	39.8	7.0
Indiana	78.3	5.8	79.3	7.2	76.9	6.0	67.8	4.2
Iowa	83.4	7.4	83.7	8.7	83.2	7.2	79.7	7.2
Kansas	66.7	10.1	59.9	5.7	54.5	9.4	59.0	9.4
Kentucky	88.0	18.4	90.0	20.1	85.8	17.5	84.3	20.1
Louisiana	93.8	8.5	91.8	8.2	93.2	10.1	93.4	8.9
Maine	100.0	78.2	100.0	80.4	100.0	73.3	100.0	77.5
Maryland	33.4	6.5	37.4	6.8	30.5	8.0	28.1	5.2
Massachusetts	59.8	36.9	74.6	48.0	70.3	55.3	71.4	60.8
Michigan	56.6	11.1	61.5	10.5	54.8	13.4	46.7	6.5
Minnesota	97.2	39.8	97.4	44.9	95.5	40.2	99.0	46.5
Mississippi	96.0	26.3	96.0	24.6	95.4	26.3	94.1	25.5
Missouri	78.6	18.5	80.5	22.6	72.7	16.4	71.1	13.1
Montana	79.9	1.7	85.5	2.7	82.0	2.6	80.2	1.5
Nebraska	66.6	14.2	70.0	20.4	69.6	17.6	78.8	12.5
Nevada	60.9	22.5	65.0	28.1	55.1	22.7	53.4	22.8
New Hampshire	93.2	24.3	92.4	30.6	91.9	31.4	89.5	26.1
New Jersey	56.0	47.9	60.2	45.0	56.1	40.8	56.0	57.1
New Mexico	62.9	16.4	69.9	16.0	69.7	25.0	64.8	17.8
New York	57.3	14.3	56.2	25.4	56.2	24.8	52.5	25.9
North Carolina	93.8	47.8	90.2	27.7	98.8	59.0	84.8	34.2
North Dakota	88.3	14.9	91.2	23.1	87.5	17.3	88.6	14.5
Ohio	46.6	4.1	48.4	5.0	39.8	3.1	40.1	2.7
Oklahoma	71.8	3.9	74.8	5.3	62.9	3.9	58.2	3.5
Oregon	98.8	13.6	99.1	11.7	99.0	11.9	98.2	11.9
Pennsylvania	56.9	11.8	59.7	12.3	52.2	11.9	50.1	10.6
Rhode Island	53.3	6.5	69.9	5.2	34.9	5.6	43.6	5.9
South Carolina	97.1	86.1	96.1	84.6	100.0	89.9	94.6	84.8
South Dakota	81.2	37.0	83.4	40.9	80.4	37.6	75.6	25.5
Tennessee	88.8	34.7	94.2	32.1	91.4	30.8	85.0	34.7
Texas	77.3	23.7	82.2	38.7	72.5	24.6	75.1	27.7
Utah	82.9	9.5	86.9	6.7	82.8	11.0	79.9	10.7
Vermont	100.0	76.6	100.0	80.8	100.0	77.8	100.0	75.9
Virginia	67.5	12.1	73.2	14.3	68.0	15.8	62.8	12.7
Washington	89.4	24.0	91.3	22.5	89.7	22.2	90.7	21.0
West Virginia	51.8	10.8	55.6	6.8	50.1	7.3	40.5	7.2
Wisconsin	79.0	20.2	83.0	22.4	77.3	19.6	77.0	20.3
Wyoming	89.2	2.9	86.7	2.5	82.3	2.3	83.4	3.4
Total	66.2	17.4	67.6	21.3	63.0	17.7	61.7	17.5

^R Revised Data.

^{NA} Not Available.

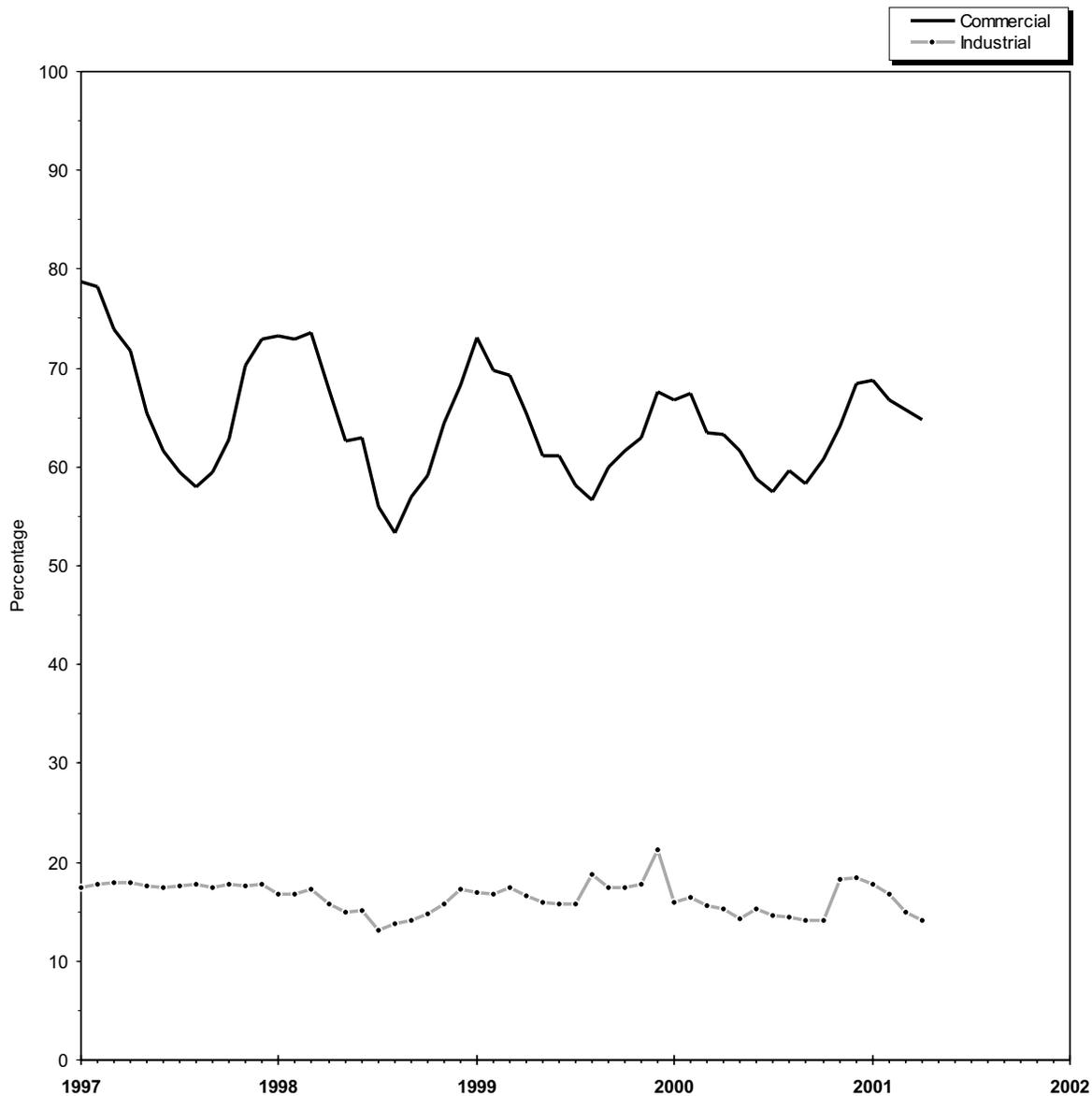
— Not Applicable.

Notes: Volumes of natural gas reported for the commercial and industrial sectors in this publication include data for both sales and deliveries for the account of others. This table shows the percent of the total State volume that represents natural gas sales to the commercial and

industrial sectors. This information may be helpful in evaluating commercial and industrial price data which are based on sales data only. See Appendix C, Statistical Considerations, for a discussion of the computation of natural gas prices.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Figure 6. Percentage of Total Deliveries Represented by Onsystem Sales, 1997-2001



Sources: Energy Information Administration, Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Appendix A

Explanatory Notes

The Energy Information Administration (EIA) publishes monthly data for the supply and disposition of natural gas in the United States in the *Natural Gas Monthly (NGM)*. The information in this Appendix is provided to assist users in evaluating the monthly data. There is a brief description of what data are estimated and what data are taken from submitted reports, followed by ten technical notes that provide important information for individual data series.

The monthly data are preliminary when initially published. Data shown in this report for the most current months are taken from the EIA Short-Term Integrated Forecasting System (STIFS) model computations. Each month, EIA staff review the STIFS model estimates and adjust them, if necessary, based on their knowledge of new developments in the natural gas industry. Data for prior months are estimated or taken from submitted reports.

Table A1. Methodology for Reporting Initial Monthly Natural Gas Supply and Disposition Data

Components	Reporting Methodology
Supply and Disposition	
Marketed Production	Reported on Form EIA-895 and Estimated from Historical Data
Extraction Loss	Derived from Marketed Production
Dry Production	Marketed Production minus Extraction Loss
Withdrawals from Storage	Reported on Form EIA-191
Supplemental Gaseous Fuels	Derived from Supply Estimates and Coal Gasification Information
Imports	Estimated from National Energy Board of Canada Information and Liquefied Natural Gas Information
Additions to Storage	Reported on Form EIA-191
Exports	Estimated from Industry Trends and Liquefied Natural Gas Information
Current-Month Consumption	Estimated from Historical Month-to-Month Percent Changes
Consumption by Sector	
Lease and Plant Fuel	Derived from Marketed Production
Pipeline Fuel	Derived from Estimates for Lease and Plant Fuel and Deliveries to Consumers
Residential	Estimated from Reports to the Sample Survey Form EIA-857
Commercial	Estimated from Reports to the Sample Survey Form EIA-857
Industrial	Estimated from Reports to the Sample Survey Form EIA-857
Electric Utilities	Reported of Form EIA-759

For data that are not taken from STIFS computations, Table A1 below lists the methodologies for deriving the monthly data to be published.

The STIFS model contains a series of calculations that produce forecasts for all of the energy industry. It is driven primarily by three sets of inputs or assumptions: estimates of key macroeconomic variables, world oil price assumptions, and assumptions about the severity of weather. The natural gas estimates also reflect other key inputs or assumptions including gas wellhead prices, electric power generation by other energy sources, and U.S. gas import capacity. The macroeconomic variable estimates are produced by DRI/McGraw-Hill but are adjusted by EIA to reflect EIA assumptions about the world price of oil, energy product prices, and other assumptions which may affect the macroeconomic outlook. The EIA publishes forecasts for the energy industry each quarter in the Short-Term Energy Outlook.

For production, total supply and disposition, and storage data (Tables 1, 2, and 9), the most current two months shown are estimates produced from STIFS computations, and data that are two months or more prior to the date of publication are estimated or taken from submitted reports. For example, in the March issue of the *NGM*, February and March data are taken from the STIFS model computations while January and prior months data are estimated from available data sources or reported directly on EIA forms. For consumption data by sector (Table 3), the most current three months shown are estimates produced from STIFS computations while data that are three months prior to date of publication are taken from EIA forms.

Note 1. Nonhydrocarbon Gases Removed

Annual Data

Data on nonhydrocarbon gases removed from marketed production — carbon dioxide, helium, hydrogen sulfide, and nitrogen — are reported by State agencies on the voluntary Form EIA-895. Eleven of the 33 producing States reported data on nonhydrocarbon gases removed during 1999. These 11 States accounted for 45 percent of total 1999 gross withdrawals. The State of Missouri reported zero gross withdrawals.

Preliminary Monthly Data

All monthly data are considered preliminary until after publication of the *Natural Gas Annual* for the

year in which the report month falls. States reporting monthly data on nonhydrocarbon gases removed are estimated based on annual data reported on Form EIA-895. States' nonhydrocarbon gases as an annual percentage of gross withdrawals reported is applied to each State's monthly gross withdrawal data to produce an estimate of nonhydrocarbon gases removed.

Final Monthly Data

Beginning with report year 1990, States filing the Form EIA-627, "Annual Quantity and Value of Natural Gas Report," were asked to supply monthly breakdowns of all data previously reported on an annual basis. The sums of the reported figures were used to calculate monthly volumes. In 1997 the Form EIA-627 was discontinued. States were requested to file an annual schedule on the monthly Form EIA-895, "Monthly Quantity and Value of Natural Gas Report."

For States not supplying monthly data on the annual schedule of the EIA-895, final monthly data are calculated by proportionally allocating the differences between total annual data reported on the Form EIA-895 and the sum of monthly data (January-December).

Note 2. Supplemental Gaseous Fuels

Annual Data

Annual data are published from Form EIA-176.

Preliminary Monthly Data

All monthly data are considered preliminary until after the publication of the *Natural Gas Annual* for the year in which the report month falls. Monthly estimates are based on the annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals from storage. This ratio is applied to the monthly sum of these three elements to compute a monthly supplemental gaseous fuels figure.

Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly data are estimated based on the revised annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals from

storage. This ratio is applied to the revised monthly sum of these three elements to compute final monthly data.

Note 3. Production

Annual Data

Natural gas production data are collected from 33 gas-producing States on Form EIA-895 which includes gross withdrawals, vented and flared, repressuring, nonhydrocarbon gases removed, fuel used on leases, marketed production (wet), and extraction loss. The U.S. Minerals Management Service (MMS) also supplies data on the quantity and value of natural gas production on the Gulf of Mexico and Outer Continental Shelf. No adjustments are made to the data.

Estimated Monthly Data

State marketed production data for a particular month are estimated if data are unavailable at the time of publication. The data are estimated based on final monthly data reported on the Form EIA-895 for the previous year.

Estimates for total U.S. marketed production are based on final monthly data reported on the Form EIA-895 for the previous year. State estimates for nonhydrocarbon gas removed, gas used for repressuring, and gas vented and flared are based on the ratio of the item to gross withdrawals as reported on the EIA-895. These ratios are applied to the month's estimates for gross withdrawals to calculate figures for nonhydrocarbon gases removed, gas used for repressuring, and gas vented and flared. Estimates for gross withdrawal data are calculated from final monthly data filed on Form EIA-895 for the previous year.

Preliminary Monthly Data

All monthly data are considered preliminary until after publication of the *Natural Gas Annual* for the year in which the report month falls. Preliminary monthly data are published from reports from the Form EIA-895 and the MMS. Volumetric data are converted, as necessary, to a standard 14.73 psia pressure base. Data are revised as Table 7 monthly data are updated.

Final Monthly Data

Final monthly data are the sums of monthly data reported on the annual Form EIA-895, "Monthly

Quantity and Value of Natural Gas Report," annual schedule.

Note 4. Imports and Exports

Annual Data and Final Monthly Data

Annual and final monthly data are published from the Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Imports and Exports," which requires data to be reported each quarter by month for the calendar year.

Preliminary Monthly Data - Imports

Preliminary monthly import data are based on data from the National Energy Board of Canada and responses to informal industry contacts and EIA estimates. Preliminary data are revised after the publication of the article "U.S. Imports and Exports of Natural Gas" for the calendar year.

Preliminary Monthly Data - Exports

Preliminary monthly export data are based on historical data from the Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Imports and Exports," informal industry contacts, and information gathered from natural gas industry trade publications. Preliminary monthly data are revised after publication of "U.S. Imports and Exports of Natural Gas" for the calendar year in which the report month falls.

Note 5. Consumption

All Annual Data

All consumption data except electric utility data are from the Form EIA-857 and Form EIA-176. No adjustments are made to the data. Electric utility data are reported on Form EIA-759.

Monthly Data

All monthly data are considered preliminary until after publication of the *Natural Gas Annual*.

Total Consumption

Preliminary Monthly Data

The most current month estimate is calculated based on the arithmetic average change from the previous

month for the previous 3 years. The following month this estimate is revised by summing the components (pipeline fuel, lease and plant fuel, and deliveries to consumers).

Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly total consumption is obtained by summing its components.

Residential, Commercial, and Industrial Sector Consumption

Preliminary Monthly Data

Preliminary monthly residential, commercial, and industrial data are from Form EIA-857. See Appendix C, "Statistical Considerations," for a detailed explanation of sample selection and estimation procedures.

Average Price of Deliveries to Consumers

Price data are representative of prices for gas sold and delivered to residential, commercial, and industrial consumers. These prices do not reflect average prices of natural gas transported to consumers for the account of third parties or "spot-market" prices.

Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual*. Final monthly data are estimated by allocating annual consumption data from the Form EIA-176 to each month in proportion to monthly volumes reported in Form EIA-857.

Agricultural Use

Beginning with the reporting of 1996 annual data, the EIA changed the customer category used for reporting deliveries to consumers in the agricultural industry from commercial to industrial. In 1995 and earlier years, consumption of natural gas for agricultural use was classified as commercial use. Separate reports of the volumes affected are not available so the direct impact of this change is not known. Most natural gas consumed in agriculture is used to drive irrigation systems and to dry crops.

In comparing sectoral use over time, note that:

- There is an inherent shift in natural gas volumes from the commercial to industrial sectors due simply to changes in the reporting requirements. This break in series may indicate a spurious increase in industrial consumption with a corresponding decrease in the commercial sector.
- The sum of natural gas volumes consumed by the commercial and industrial sectors will not be changed by this modification of the instructions.

Electric Utility Sector Consumption

All Monthly Data

Monthly data published are from Form EIA-759.

Pipeline Fuel Consumption

Preliminary Monthly Data

Preliminary data are estimated based on the pipeline fuel consumption as an annual percentage of total consumption from the previous year's Form EIA-176. This percentage is applied to each month's total consumption figure to compute the monthly estimate.

Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual*. Final monthly data are based on the revised annual ratio of pipeline fuel consumption to total consumption from the Form EIA-176. This ratio is applied to each month's revised total consumption figure to compute final monthly pipeline fuel consumption estimates.

Lease and Plant Fuel Consumption

Preliminary Monthly Data

Preliminary monthly data are estimated based on lease and plant fuel consumption as an annual percentage of marketed production. This percentage is applied to each month's marketed production figure to compute estimated lease and plant fuel consumption.

Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly plant fuel data are based on a revised annual ratio of lease and plant fuel consumption to marketed production from Form EIA-176. This ratio is applied to each month's revised marketed production figure to compute final monthly plant fuel consumption estimates. Final monthly lease data are collected on the Form EIA-895 and estimates from the Form EIA-176. See the *Natural Gas Annual* for a complete discussion of this process.

Note 6. Extraction Loss

Annual Data

Extraction loss data are calculated from filings of Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production." For a fuller discussion, see the *Natural Gas Annual*.

Preliminary Monthly Data

Preliminary data are estimated based on extraction loss as an annual percentage of marketed production. This percentage is applied to each month's marketed production to estimate monthly extraction loss.

Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual*. Final monthly data are estimated by allocating annual extraction loss data to each month based on its total natural gas marketed production.

Note 7. Natural Gas Storage

Underground Natural Gas Storage

All monthly data concerning underground storage are published from the EIA-191. A new EIA-191 became effective in January 1994. Injection and withdrawal data from the EIA-191 survey are adjusted to correspond to data from Form EIA-176 following publication of the *Natural Gas Annual*.

Underground and Liquefied Natural Gas Storage

The final monthly and annual storage and withdrawal data shown in Table 2 include both underground and liquefied natural gas (LNG) storage. Underground storage data are obtained from the EIA-191 and EIA-176 surveys in the manner described earlier. Annual data on LNG additions and withdrawals are taken from Form EIA-176. Monthly data are estimated by computing the ratio of each month's underground storage additions and withdrawals to annual underground storage additions and withdrawals and applying it to annual LNG data.

Types of Underground Storage Facilities

There are three principal types of underground storage facilities in operation in the United States today: salt caverns (caverns hollowed out in salt "bed" or "dome" formations), depleted fields (depleted reservoirs in oil and/or gas fields), and aquifer reservoirs (water-only reservoirs conditioned to hold natural gas). A storage facility's daily deliverability or withdrawal capability is the amount of gas that can be withdrawn from it in a 24-hour period. Salt cavern storage facilities generally have high deliverability because all of the working gas in a given facility can be withdrawn in a relatively short period of time. (A typical salt cavern cycle is 10 days to deplete working gas, and 20 days to refill working gas.) By contrast, depleted field and aquifer reservoirs are designed and operated to withdraw all working gas over the course of an entire heating season (about 150 days). Further, while both traditional and salt cavern facilities can be switched from withdrawal to injection operations during the heating season, this is usually more quickly and easily done in salt cavern facilities, reflecting their greater operational flexibility.

Note 8. Average Wellhead Value

Annual Data

Form EIA-895 requests State agencies to report the quantity and value of marketed production. When complete data are unavailable, the form instructs the State agency to report the available value and the quantity of marketed production associated with this value. A number of States reported volumes of production and associated values for other than marketed production. In addition, information for several States which were unable to provide data

was obtained from Form EIA-176. It should be noted that Form EIA-176 reports a fraction of State production. The imputed value of marketed production in each State is calculated by dividing the State's reported value by its associated production. This unit price is then applied to the quantity of the State's marketed production to derive the imputed value of marketed production.

Preliminary Monthly Data

Preliminary values for the monthly U.S. natural gas wellhead price are estimated from the New York Mercantile Exchange (NYMEX) futures closing price for near-month delivery at the Henry Hub, and prevailing cash market prices (spot prices) at 5 major trading hubs: Henry Hub, LA; Carthage, TX; Katy, TX; Waha, TX; and Blanco, NM. The NYMEX price is reported in the trade publication, Gas Daily (published by Financial Times Energy). The spot prices are published in another trade publication, Natural Gas Week (Energy Intelligence Group), and they reflect the spot delivered-to-pipeline, volume-weighted average prices for natural gas bought and sold at the specified trading hubs. Prices include processing, gathering, and transportation fees to the hubs. The estimated wellhead prices are derived with a statistical procedure based on analysis of monthly time series data for the period 1995 through the present. A statistical procedure was adopted beginning with publication of the February 1999 issue of the Natural Gas Monthly. The preliminary estimates are replaced when annual survey data become available, usually about 10 months after the end of the report year.

Final Monthly Data

The Form EIA-895 requests State agencies to report monthly values of marketed production. Preliminary monthly gas price data are replaced by these final monthly data.

Note 9. Balancing Item

The "balancing item" category represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to quantities lost or to the effects of data reporting problems.

Reporting problems include differences due to the net result of conversions of flow data metered at varying temperatures and pressure bases and converted to a standard temperature and pressure base; the effect of variations in company accounting and billing practices; differences between billing cycles and calendar periods; and imbalances resulting from the merger of data reporting systems, which vary in scope, format, definitions, and type of respondents.

Annual Data

Annual data are from the *Natural Gas Annual*. For an explanation of the methodology involved in calculating annual "balancing item" data, see the *Natural Gas Annual*.

Preliminary Monthly Data

Preliminary monthly data in the "balancing item" category are calculated by subtracting dry gas production, withdrawals from storage, supplemental gaseous fuels, and imports from total supply/disposition.

Note 10. Heating Degree-Days

Degree-days are relative measurements of outdoor air temperature. Heating degree-days are deviations of the mean daily temperature below 65 degrees Fahrenheit. A weather station recording a mean daily temperature of 40 degrees Fahrenheit would report 25 heating degree-days. There are several degree-day data bases maintained by the National Oceanic and Atmospheric Administration. The information published in the Natural Gas Monthly is developed by the National Weather Service Climate Analysis Center, Camp Springs, Maryland.

The data are available weekly with monthly summaries and are based on mean daily temperatures recorded at about 200 major weather stations around the country. The temperature information recorded at these weather stations is used to calculate State-wide degree-day averages weighted by gas home customers. The State figures are then aggregated into Census Divisions and into the national average.

Appendix B

Data Sources

The data in this publication are taken from survey reports authorized by the U.S. Department of Energy (DOE), Energy Information Administration (EIA) and by the Federal Energy Regulatory Commission (FERC). The EIA is the independent statistical and analytical agency within the DOE. The FERC is an independent regulatory commission within the DOE which has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. The EIA conducts and processes some of the surveys authorized by the FERC. Data are collected from two annual surveys and five monthly surveys.

The annual report is the Form EIA-176, a mandatory survey of all companies that deliver natural gas to consumers or that transport gas across State lines.

The monthly reports include two surveys of the natural gas industry, two surveys of the electric utility industry, and a voluntary survey completed by energy or conservation agencies in the gas producing States. The natural gas industry survey is the Form EIA-191 filed by companies that operate underground storage facilities, and the Form EIA-857 is filed by a sample of companies that deliver natural gas to consumers. The electric utility industry surveys are the Form EIA-759 filed by all generating electric utilities and the Form FERC-423 filed by fossil fueled plants. Responses to these four monthly surveys are mandatory.

A description of the survey respondents, reporting requirements, and processing and editing of the data is given on the following pages for each of the surveys.

Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"

Survey Design

The original version of Form EIA-176 was approved in 1980 with a mandatory response requirement.

Prior to 1980, published data were based on voluntary responses to Bureau of Mines, U.S. Department of the Interior predecessor Forms BOM-6-1340-A and BOM-6-1341-A of the same title.

In 1982, the scope of the revised EIA-176 survey was expanded to collect the number of electric utility consumers in each State, volumes of gas transported to industrial and electric utility consumers, detailed information on volumes transported across State borders by the respondent for others and for the responding company, and detailed information on other disposition. These changes were incorporated to provide more complete survey information with a minimal change in respondent burden. The 1982 version of the Form EIA-176 continues to be the basis for the current version of this form.

In 1988, the Form EIA-176 was revised to include data collection for deliveries of natural gas to commercial and industrial consumers for the account of others.

In 1990, the Form EIA-176 was revised to include more detailed information for gas withdrawn from storage facilities, gas added to storage facilities, deliveries of company-owned natural gas and natural gas transported for the account of others. The revised form was approved for use beginning with report year 1990.

Upon the Office of Management and Budget's approval in 1993, the Form EIA-176 was again revised. All deliveries to consumers were categorized as firm or interruptible. Commercial and industrial consumers were categorized as nonutility power producers or as those excluding nonutility power producers.

Approval of the Form EIA-176 for use through 1999 was received in 1996 from OMB. The form was modified as outlined in the "Change in Definition of Consumption Sector" below.

After being approved by the OMB in 1999, the Form EIA-176 was revised to: (1) change the filing date from April 1 following the end of the report year to March 1 following the end of the report year, (2) remove the requirement to distinguish between firm and interruptible deliveries to consumers; and (3) remove the requirement to distinguish between gas volumes delivered to commercial and industrial consumers having nonutility generation of electricity from those not generating electricity.

Data reported on this form are no longer considered proprietary. Response to the form continues to be mandatory.

Survey Universe and Response Statistics

The Form EIA-176 is mailed to all identified interstate and intrastate natural gas pipeline companies, investor and municipally owned natural gas distributors, underground natural gas storage operators, synthetic natural gas plant operators, and field, well, or processing plant operators that deliver natural gas directly to consumers (including their own industrial facilities) and/or that transport gas to, across, or from a State border through field or gathering facilities.

Each company and its parent company or subsidiaries were required to file if they met the survey specifications. The original mailing in 2000 for report year 1999 totaled 1,872 questionnaire packages. To this original mailing, 8 names were added and 18 were deleted as a result of the survey processing. Additions were the result of comparisons of the mailing list to other survey mailing lists. Deletions resulted from post office returns and determinations that companies were out of business, sold, or not within the scope of the survey. After all updates, the survey universe was 1,847 responses from approximately 1,400 companies.

Following the original mailing, second request mailing, and nonrespondents follow-up, 1,826 responses were entered into the data base, and there were 21 nonrespondents.

Summary of Form EIA-176 Data Reporting Requirements

The EIA-176 is a multi-line schedule for reporting all supplies of natural gas and supplemental gaseous fuels and their disposition within the State indicated. Respondents file completed forms with EIA in Washington, DC. Data for the report year are due by March 1st. Extensions of the filing deadline for up

to 30 days are granted to any respondent upon request.

All natural gas and supplemental gaseous fuels volumes are reported on a physical custody basis in thousand cubic feet (Mcf), and dollar values are reported to the nearest whole dollar. All volumes are reported at 14.73 pounds per square inch absolute pressure (psia) and 60 degrees Fahrenheit.

Routine Form EIA-176 Edit Checks

A series of manual and computerized edit checks are used to screen the Form EIA-176. The edits performed include validity, arithmetic, and analytical checks.

The incoming forms are reviewed prior to keying. This prescan determines if the respondent identification (ID) number and the company name and address are correct, if the data on the form appear complete and reasonable, and if the certifying information is complete.

Manual checks on the data are also made. Each form is prescanned to determine that data were reported on the correct lines. The flow of gas through interstate pipelines is checked at the company level to ensure that each delivery from a State is matched with a corresponding receipt in an adjoining State.

After the data are keyed, computer edit procedures are performed. Edit programs verify the report year, State code, and arithmetic totals. Further tests are made to ensure that all necessary data elements are present and that the data are reasonable and internally consistent. The computerized edit system produces error listings with messages for each failed edit test. When problems occur, respondents are contacted by telephone and required to file amended forms with corrected data.

Other EIA Publications Referencing Form EIA-176

Data from Form EIA-176 are also published in the *Natural Gas Annual*.

Form EIA-627 and Form EIA-895

Survey Design

Beginning with 1980 data, natural gas production data previously obtained on an informal basis from the appropriate State agencies were collected on the

Form EIA-627, "Annual Quantity and Value of Natural Gas Report." This form was designed by the EIA to collect annual natural gas production data from the appropriate State agencies under a standard data reporting system within the limits imposed by the diversity of data collection systems of the various producing States. It was also designed to avoid duplication of the efforts involved in the collection of production and value data by producing States and to avoid an unnecessary respondent burden on gas and oil well operators. In 1993, value and associated volume of marketed production by month were added to the EIA-627. In 1996, the Form EIA-627 was discontinued. The information is collected on an annual schedule on the Form EIA-895.

In 1993, the Office of Management and Budget approved the Form EIA-627 for use in report years 1994 through 1996. In 1994, the IOGCC decided to discontinue collection of their form. Data collection on the Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," began in January 1995. This form was designed to replace the Interstate Oil and Gas Compact Commission (IOGCC) form, "Monthly Report of Natural Gas Production." All gas producing States are requested to report on the Form EIA-895; a voluntary report. In 1996, an annual schedule was added to the voluntary Form EIA-895 to replace the Form EIA-627. Data are reported by State agencies. The form was designed to provide a standard reporting system, to the extent possible, for the natural gas data reported by the States. Data are not considered proprietary.

Survey Universe and Response Statistics

Form EIA-895 is mailed to energy or conservation agencies in all 33 natural gas producing States. All producing States participate voluntarily in the EIA-895 survey by filing the completed form or by responding to telephone contacts. EIA-895 survey by filing the completed form or by responding to telephone contacts.

Reports on State production are due 20 days after the end of the report month. (In most cases, the data are not available to the States until after this time period. Therefore, States are requested to send the report within 80 days after the end of the report month.) The annual schedule of the Form EIA-895 is due with the December data report.

Of the 33 natural gas producing states, all participated in the voluntary EIA-895 survey by filing the completed form or by responding to telephone contacts. Data on the quantities of nonhydrocarbon

gases removed in 1999 were reported by the appropriate agencies of 11 of the 33 producing States. These 11 States accounted for 45 percent of total 1999 gross withdrawals. The State of Missouri reported zero gross withdrawals.

The commercial recovery of methane from coalbeds contribute a significant amount to the production totals in a number of States. Coalbed methane seams production quantities (in million cubic feet) are included in gross withdrawals totals for the following States: Alabama (114,657), Colorado (380,081), and New Mexico (610,062).

Summary of Data Reporting Requirements

The Form EIA-895 is a two-page form divided into five parts. Part I requests identifying information including the name and location of the responding State agency and the name and telephone number of a contact person within the agency. Part II collects monthly data on the production of natural gas including gross withdrawals from both gas and oil wells; volumes returned to formation for repressuring, pressure maintenance, and cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used on lease; and marketed production. Part III of the form is for reporting the monthly volume and value of marketed production. Part IV of the form is the annual schedule which collects data on the number of producing gas wells, the production of natural gas including gross withdrawals from both gas and oil wells; volumes returned to formation for repressuring, pressure maintenance, and cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used on lease; marketed production; the value of marketed production; and quantity of marketed production (value based). Part V is space to be used by the respondent to explain data elements reported that may be based on definitions differing from those applied to data in previous years.

Respondents are asked to report all volumes in thousand cubic feet at the State's standard pressure base and at 60 degrees Fahrenheit. All dollar values are reported in thousands.

Routine Form EIA-895 Edit Checks

Each filing of Form EIA-895 is manually checked for reasonableness and mathematical accuracy. Information on the forms is compared to totals of monthly data reported. Volumes are converted, as necessary, to a standard 14.73 psia pressure base.

Reasonableness of data is assessed by comparing reported data to the previous year's data. State agencies are contacted by telephone to correct errors. Amended filings or resubmissions are not a requirement, since participation in the survey is voluntary.

Other EIA Publications Referencing Form EIA-895

Data from Form EIA-895 are also published in the EIA publication, *Natural Gas Annual*.

EIA-191 Survey, "Monthly Underground Gas Storage Report"

Survey Design

The Form EIA-191, "Monthly Underground Gas Storage Report," was revised effective January 1994. Among the changes from the form used from 1991 through 1993 is a distinction between a monthly and annual survey. Prior to 1991, data on the storage of natural gas were collected on a survey jointly implemented in 1975 by the Federal Power Commission (FPC), the Federal Energy Administration (FEA), and the Bureau of Mines (BOM) as the FPC-8/FEA-G-318 system. The data received on both the FPC-8 and FEA-G-318 were computerized and aggregated by FPC. The form was previously revised in 1991 to include storage data by State, field, and reservoir.

At the beginning of 1979, the EIA assumed responsibility for the collection, processing, and publication of the data gathered in the survey. Form FEA-G-318 was renewed on July 1, 1979, as Form EIA-191 and the survey was retitled the FPC-8/EIA-191 Survey (Figure D4 shows the EIA-191). Form FPC-8 was renewed in December 1985 and the survey retitled FERC-8/EIA-191 Survey. The forms were not merged because of FERC's stated desire to maintain the separate identity of the FERC-8 for administrative reasons. In September 1995, the FERC discontinued the reporting requirements of Form FERC-8. FERC jurisdictional firms will continue to file Form EIA-191.

Survey Universe and Response Statistics

The 140 companies that operate underground facilities file the Form EIA-191. The response rate as of the filing deadline is approximately 20 percent.

Data from the remaining 80 percent of respondents are received in writing and/or by telephone within 3 to 4 days after the filing deadline. All data supplied by telephone are subsequently filed in writing, generally within 15 days of the filing deadline. The final response rate is 100 percent.

Summary of EIA-191 Data Reporting Requirements

The EIA-191 monthly schedule contains current month and prior month's data on the total quantities of gas in storage, injections and withdrawals, the location (including State and county, field, reservoir) and peak day withdrawals during the reporting period. Prior month's data are required only when data are revised. The annual schedule contains type of facility, storage field capacity, maximum deliverability and pipelines to which each field is connected. The annual schedule is filed with the December submission.

Collection of the survey is on a custody basis. Information requested must be provided within 20 days after the first day of each month. Twelve reports are required per calendar year. Respondents are required to indicate whether the data reported are actual or estimated. For most of the estimated filings, the actual data or necessary revisions are reflected in the prior month section of the monthly form. Actual data on natural gas injections and withdrawals from underground storage are based on metered quantities. Data on quantities of gas in storage and on storage capacity represent, in part, reservoir engineering evaluations. All volumes are reported at 14.73 psia and 60 degrees Fahrenheit.

Routine Form EIA-191 Edit Checks

Data received on Form EIA-191 are entered into the survey processing system. The survey's five principal data elements (total, base, working gas in storage, injections, and withdrawals) receive a preliminary visual edit to eliminate and correct obvious errors or omissions. Respondents are required to re-file reports containing any inconsistencies or errors.

Other EIA Publications Referencing Form EIA-191

The EIA publications *Monthly Energy Review* and *Winter Fuels Report* contain data from the EIA-191 survey.

“Quarterly Natural Gas Import and Export Sales and Price Report”

Survey Design

The collection of data covering natural gas imports and exports was begun in 1973 by the Federal Power Commission (FPC). On October 1977, FPC ceased to exist and its data collection functions were transferred to the Federal Energy Regulatory Commission (FERC) within the Department of Energy (DOE). From 1979 to 1994, the Energy Information Administration (EIA) has had the responsibility for collecting Form FPC-14, “Annual Report for Importers and Exporters of Natural Gas.” Data are not considered proprietary. The Form FPC-14 was discontinued in 1995.

Beginning in 1995, import and export data are taken from the “Quarterly Natural Gas Import and Export Sales and Price Report.” This report is prepared by the Office of Fossil Energy, U.S. Department of Energy, based on information submitted by all firms having authorization to import or export natural gas.

Survey Universe and Response Statistics

All companies are required, as a condition of their authorizations to import or export natural gas, to file quarterly reports with the Office of Fossil Energy. These data are collected as part of its regulatory responsibilities. The data are reported at a monthly level of detail.

Routine Edit Checks

Respondents are required to certify the accuracy of all data reported. The data are checked for reasonableness and accuracy. If errors are found, the companies are required to file corrected data. The data are compared with data reported by the National Energy Board of Canada and are published quarterly. All natural gas volumes in this report are expressed at a pressure base of 14.73 pounds per square inch absolute and temperature of 60 degrees Fahrenheit, except as noted. All import and export prices are in U.S. dollars and, except for LNG exports, are those paid at the U.S. border. LNG export prices are those paid at the point of sale and delivery in Yokohama, Japan.

Form EIA-857, “Monthly Report of Natural Gas Purchases and Deliveries to Consumers”

Survey Design

The original Form EIA-857 was approved for use in December 1984. Response to the Form EIA-857 is mandatory on a monthly basis. Data collected on the Form EIA-857 cover the 50 States and the District of Columbia and include both price and volume data. Data are considered proprietary.

Survey Universe and Response Statistics

A sample of approximately 400 natural gas companies, including interstate pipelines, intrastate pipelines, and local distribution companies, report to the survey. The sample was selected independently for each of the 50 States and the District of Columbia from a frame consisting of all respondents to Form EIA-176 who reported deliveries of natural gas to consumers in the residential, commercial, or industrial sectors. Each selected company is required to complete and file the Form EIA-857 on a monthly basis. Initial response statistics on a monthly basis are as follows: responses received by due date, approximately 50 percent, and responses received after follow-up, 100 percent. When a response is extremely late, and the company represents less than 25 percent of the natural gas volumes delivered by all sampled companies in the State, values are imputed as described in Appendix C. When the company's submission is eventually received, the submitted data are used for future processing and revisions.

The Form EIA-857 is a monthly sample survey of firms delivering natural gas to consumers. It provides data that are used to estimate monthly sales of natural gas (volume and price) by State and monthly deliveries of natural gas on behalf of others (volume) by State to three consumer sectors - residential, commercial, and industrial. (Monthly deliveries and prices of natural gas to electric utilities are reported on the Form FERC-423, “Monthly Report of Cost and Quality of Fuels for Electric Plants,” and the Form EIA-759, “Monthly Power Plant Report.”) See Appendix C for a discussion of the sample design and estimation procedures.

Summary of Form EIA-857 Data Reporting Requirements

Data collected monthly on the Form EIA-857 on a State level include the volume and cost of purchased gas, the volume and cost of natural gas consumed by sector (residential, commercial, and industrial), and the average heat content of all gas consumed. Respondents file completed forms with EIA in Washington, DC on or before the 30th day after the end of the report month.

All natural gas volumes are reported in thousand cubic feet at 14.73 psia at 60 degrees Fahrenheit and dollar values are reported to the nearest whole dollar.

Routine Form EIA-857 Edit Checks

A series of manual and computerized edit checks are used to screen the Form EIA-857. The edits performed include validity and analytical checks.

Appendix C

Statistical Considerations

The monthly sales (volume and price) and monthly deliveries (volume) of natural gas to residential, commercial and industrial consumers presented in this report by State are estimated from data reported on the Form EIA-857, “Monthly Report of Natural Gas Purchases and Deliveries to Consumers.” (See Appendix B for a description of this Form.) These estimations must be made from the reported data since the Form EIA-857 is a sample survey. A description of the sample design and the estimation procedures is given below.

Sample Design

The Form EIA-857 is a monthly sample survey of companies delivering natural gas to consumers. It includes inter- and intrastate companies, and producers, as well as local distribution companies. The survey provides data that are used each month to estimate the volume of natural gas delivered and the price for onsystem sales of natural gas by State to three consumer sectors—residential, commercial, and industrial. Monthly deliveries and prices of natural gas to electric utilities are reported on the Form EIA-759, “Monthly Power Plant Report,” and the Form FERC-423, “Monthly Report of Costs and Quality of Fuels for Electric Plants.”

Sample Universe. The sample currently in use was selected from a universe of 1,468 companies. These companies were respondents to the Form EIA-176, “Annual Report of Natural and Supplemental Gas Supply and Disposition,” for reporting year 1999 who reported sales or deliveries to consumers in the residential, commercial or industrial sectors. (See Appendix B for a description of the Form EIA-176.)

Sampling Plan. The goal was a sample that would provide estimates of monthly natural gas consumption by the three consuming sectors within each State and the District of Columbia. A stratified sample using a single stage and systematic selection with probability

proportional to size was designed. The measure of size was the volume of natural gas physically delivered in the State to the three consuming sectors by the company in 1999. There were two strata—companies selected with certainty and companies selected under the systematic probability proportional to size design.

Initial calculations showed that a 25 percent sample of companies would yield reasonably accurate estimates. The sample was selected independently in each State, resulting in a national total of 386 respondent companies.

Certainty Stratum. Since estimates were needed for each of the 50 States and the District of Columbia, the strata were established independently within each State. In 16 States and the District of Columbia where sampling was not feasible due to small numbers of companies and/or small volumes of gas deliveries, all companies were selected. The 16 States were: Alaska, Connecticut, Delaware, Hawaii, Idaho, Maine, North Dakota, New Hampshire, New Jersey, Nevada, Oregon, Rhode Island, South Dakota, Utah, Vermont, and Washington.

For each of the remaining States, the total volumes of industrial sales and deliveries and of the combined residential/commercial sales and deliveries were determined. Companies with natural gas deliveries to the industrial sector or to the combined residential/commercial sector above a certain level were selected with certainty. Since a few large companies often account for most of the natural gas delivered within a State, this ensures those companies’ inclusion in the sample. The formula for determining certainty was applied independently in the two consumer sectors—the industrial and the combined residential/commercial. These selected companies, together with the companies in the jurisdictions discussed where sampling was not feasible, formed the certainty stratum.

All companies with natural gas deliveries in sector j greater than the cut-off value (C_j) were included in the certainty stratum. The formula for C_j was:

$$C_j = \frac{X_j}{2n} \quad (1)$$

where:

C_j = cutoff value for consumer sector j ,

n = target sample size to be selected for the State, 25 percent of the companies in the State,

X_{ij} = the annual volume of natural gas deliveries by company i to customers in consumer sector j ,

X_i = the sum within State of annual gas volumes for company i ,

X_j = the sum within State of annual gas volumes in consumer sector j ,

$X_{..}$ = the sum within State of annual gas volumes in all consumer sectors.

Noncertainty Stratum. All other companies formed the noncertainty stratum. They were systematically sampled with probability proportional to size. The measure of size for each company was the total volume of gas sales to all consumer sectors (X_i). The number of companies to be selected from the noncertainty stratum was calculated for each State, with a minimum of 2.

The formula for selecting the number of noncertainty stratum companies was:

$$m = n \frac{X_2}{X_{..}} \quad (2)$$

where:

m = the sample size for the noncertainty stratum within a State,

X_2 = the sum within State of the X_i for all companies in the noncertainty stratum.

Companies were listed in ascending order according to their measure of size and then a cumulative measure of size in the stratum was calculated for each company. The cumulative measure of size was the sum of the measures of size for that company and all preceding companies on the list. An interval of width

I for selecting the companies systematically was calculated using.

A uniform random number R was selected between zero and $\left(I = \frac{X_2}{m}\right)I$. The first sampled company was

the first company on the list to have a cumulative measure of size greater than R . The second company selected was the first company on the list to have a cumulative measure of size greater than $R + I$. $R + I$ was increased again by I to determine the third company to be selected. This procedure was repeated until the entire sample was drawn.

Subgroups. In four States, the noncertainty stratum was divided into subgroups to ensure that gas in each consumer sector could be estimated. The systematic sample with probability proportional to size design described above was applied independently in each subgroup. The methods for determining the subgroup sample size and calculating the subgroup interval for sample selection were the same as the methods described above for the noncertainty stratum, except that X_2 was the sum within State of the X_i for only those companies in the subgroup.

These subgroups were defined only for the purpose of sample selection. They are:

California: companies handling only industrial gas and all other companies.

Colorado: companies delivering more than four billion cubic feet of natural gas during 1979 and those delivering less than that amount.

Louisiana: companies delivering only to industrial consumers and other companies.

Texas: companies delivering only to industrial consumers; companies delivering to industrial and commercial consumers only; companies delivering to residential and commercial consumers only; and those delivering to all three sectors.

Estimation Procedures

Estimates of Volumes. A ratio estimator is applied to the volumes reported in each State by the sampled companies to estimate the total gas sales and deliveries for the State. Ratio estimators are calculated for each consumer sector—residential, commercial, and industrial—in each State where companies are sam-

pled. The following annual data are taken from the most recent 1995 submissions of Form EIA-176:

The formula for calculating the ratio estimator (E_{vj}) for the volume of gas in consumer sector j is:

$$E_{vj} = \frac{Y_j}{Y'_j} \quad (3)$$

where:

Y_j = the sum within State of annual gas volumes in consumer sector j for all companies,

Y'_j = the sum within State of annual gas volumes in consumer sector j for those companies in the sample.

The ratio estimator is applied as follows:

$$V_{.j} = y_{.j} \times E_{vj} \quad (4)$$

where:

$V_{.j}$ = the State estimate of monthly gas volumes in consumer sector j ,

$y_{.j}$ = the sum within State of reported monthly gas volumes in consumer sector j .

Computation of Natural Gas Prices. The natural gas volumes that are included in the computation of prices represent only those volumes associated with natural gas sales.

The price of natural gas for a State within a sector is calculated as follows:

$$P_j = \frac{R_j}{V'_j}$$

where:

P_j = the average price for gas sales within the State in consumer sector j ,

R_j = the reported revenue from natural gas sales within the State in consumer sector j ,

V'_j = the reported volume of natural gas sales within the State in consumer sector j .

All average prices are weighted by their corresponding sales volume estimates when national average prices are computed.

The monthly average prices of natural gas are based on sales data only. Volumes of gas delivered for the account of others to these consumer sectors are not included in the State or national average prices.

Table 25 shows the percent of the total State volume that represents volumes from natural gas sales to the commercial and industrial sectors. This table may be helpful in evaluating commercial and industrial price data. Virtually all natural gas deliveries to the residential sector represent onsystem sales volumes only.

See the section on consumer price calculations in this Appendix for further price information.

Estimation for Nonrespondents. A volume for each consumer category is imputed for companies that fail to respond. The imputation is based on the previous month's value reported by the non-responding company and the change from the previous month to the current month in volumes reported by other companies in the State. The imputed volumes are included in the State totals. To estimate prices for non-respondents, the unit price (dollars per thousand cubic feet) reported by the company in the previous month is used.

The formula for imputing volumes of gas sales for nonrespondents was:

$$F_t = F_{t-1} \times \frac{y_{.jt}}{y_{.jt-1}} \quad (5)$$

where:

F_t = imputed gas volume for current month t ,

F_{t-1} = gas volume for the company for the previous month,

$y_{.jt}$ = gas volume reported by companies in the State stratum for report month t ,

$y_{.jt-1}$ = gas volume in the previous month for companies in the State stratum that reported in month t .

Final Revisions

Adjusting Monthly Data to Annual Data. After the annual data reported on the Form EIA-176 have been submitted, edited, and prepared for publication in the *Natural Gas Annual*, revisions are made to

monthly data. The revisions are made to the volumes and prices of natural gas delivered to consumers that have appeared in the *Natural Gas Monthly* to match them to the annual values appearing in the *Natural Gas Annual*. The revised monthly estimates allocate the difference between the sum of monthly estimates and the annual reports according to the distribution of the estimated values across the months.

Before the final revisions are made, changes or additions to submitted data received after publication of the monthly estimate and not sufficiently large to require a revision to be published in the *Natural Gas Monthly*, are used to derive an updated estimate of monthly consumption and revenues for each State's residential, commercial, or industrial natural gas consumption.

For each State, two numbers are revised, the estimated consumption and the estimated price per thousand cubic feet.

The formula for revising the estimated consumption is:

$$V_{jm}^* = V_{jm} + \left[(V_{ja} - V_{jm}') \left(\frac{V_{jm}}{V_{jm}'} \right) \right] \quad (6)$$

where:

V_{jm}^* = the final volume estimate for month m in consumer sector j,

V_{jm} = the estimated volume for month m in consumer sector j,

V_{ja} = the volume for the year reported on Form EIA-176,

V_{jm}' = The annual sum of estimated monthly volumes.

The price is calculated as described above in the Estimation Procedures section, using the final revised consumption estimate and a revised revenue estimate.

The formula for revising the estimated revenue is:

$$R_{jm}^* = R_{jm} + \left[(R_{ja} - R_{jm}') \left(\frac{R_{jm}}{R_{jm}'} \right) \right] \quad (7)$$

where:

R_{jm}^* = the final revenue estimate for month m in consumer sector j,

R_{jm} = the estimated revenue for month m in consumer sector j,

R_{ja} = the revenue for the year reported on Form EIA-176,

R_{jm}' = The annual sum of estimated monthly revenues. Revision of Volumes and Prices for Deliveries to Electric Utilities. Revisions to monthly electric utilities data are published throughout the year as they become available.

Reliability of Monthly Data

The monthly data published in this report are subject to two sources of error - nonsampling error and sampling error. Nonsampling errors occur in the collection and processing of the data. See the discussion of the Form EIA-857 in Appendix B for a description of nonsampling errors for monthly data.

Sampling error may be defined as the difference between the results obtained from a sample and the results that a complete enumeration would provide. The standard error statistic is a measurement of sampling error.

Standard Errors. A standard error of an estimate is a statistical measure that indicates how the estimate from the sample compares to the result from a complete enumeration. Standard errors are calculated based on statistical theory that refers to all possible samples of the same size and design.

The standard errors for monthly natural gas volume estimates by State are given in Table C1. Ninety-five percent of the time, the volume that would have been obtained from a complete enumeration will lie in the range between the estimated volume minus two standard errors and the estimated volume plus two standard errors.

The standard error of the natural gas volume estimate is the square root of the variance of the estimate. The formula for calculating the variance of the volume estimate is:

$$V(\hat{Y}) = \sum_{h=1}^H \left[N_h^2 \frac{(1 - \frac{n_h}{N_h})}{n_h(n_h - 1)} \left(\sum_{i=1}^{n_h} (y_i - Tx_i)^2 \right) \right] \quad (8)$$

H = the total number of strata

N_h = the total number of companies in stratum h

n_h = the sample size in stratum h

y_i = the reported monthly volume for company i

x_i = the reported annual volume for company i

T = the ratio of the sum of the reported monthly volumes for sample companies to the sum of the reported annual volumes for the sample companies.

where:

Table C-1. Standard Error for Natural Gas Deliveries and Price to Consumers by State, April 2001

State	Volume Million Cubic Feet				Price Dollars per Thousand Cubic Feet		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama	248	375	1,740	1,797	0.27	1.88	4.70
Alaska	0	0	0	0	—	—	—
Arizona	40	40	0	56	0.24	0.28	—
Arkansas	NA	NA	243	NA	NA	NA	0.37
California	123	90	1,282	1,291	0.17	0.23	0.34
Colorado	1,277	519	757	1,573	0.12	0.35	1.52
Connecticut	0	0	0	0	—	—	—
Delaware	0	0	0	0	—	—	—
District of Columbia	0	0	0	0	—	—	—
Florida	167	244	440	530	1.18	0.43	2.27
Georgia	NA	NA	NA	NA	NA	NA	NA
Hawaii	0	0	0	0	—	—	—
Idaho	0	0	0	0	—	—	—
Illinois	928	1,860	1,790	2,743	0.54	1.83	0.44
Indiana	NA	NA	NA	NA	NA	NA	NA
Iowa	82	274	145	320	0.03	0.24	0.62
Kansas	1,007	4,616	2,387	5,293	1.20	2.05	7.16
Kentucky	1,662	1,047	1,206	2,305	6.06	5.73	10.43
Louisiana	0	0	4,016	4,016	—	—	0.01
Maine	NA	NA	NA	NA	NA	NA	NA
Maryland	17	18	58	63	0.02	0.04	1.04
Massachusetts	NA	NA	NA	NA	NA	NA	NA
Michigan	437	302	953	1,091	0.21	0.27	0.31
Minnesota	2,258	169	1,000	2,475	1.28	0.10	0.60
Mississippi	25	46	556	558	0.35	0.22	0.49
Missouri	526	467	997	1,221	0.07	0.10	0.97
Montana	13	12	0	17	0.02	0.06	—
Nebraska	18	29	269	271	0.02	0.24	0.73
Nevada	0	0	0	0	—	—	—
New Hampshire	NA	NA	NA	NA	NA	NA	NA
New Jersey	0	0	0	0	—	—	—
New Mexico	239	430	731	881	3.20	3.30	2.90
New York	NA	813	3,882	NA	NA	0.30	0.41
North Carolina	31	23	208	211	0.20	0.12	0.38
North Dakota	0	0	0	0	—	—	—
Ohio	1,200	1,635	1,625	2,599	0.61	0.36	9.79
Oklahoma	391	780	32	873	0.09	0.13	3.09
Oregon	0	0	NA	NA	—	—	NA
Pennsylvania	NA	3,642	5,977	NA	NA	0.07	0.15
Rhode Island	0	0	0	0	—	—	—
South Carolina	605	108	1,283	1,422	1.56	2.14	0.57
South Dakota	0	0	0	0	—	—	—
Tennessee	1,107	671	986	1,627	0.80	0.70	1.55
Texas	56	3,840	6,439	7,498	0.38	1.09	0.49
Utah	0	0	0	0	—	—	—
Vermont	0	0	0	0	—	—	—
Virginia	439	NA	425	NA	0.41	NA	1.73
Washington	NA	NA	NA	NA	NA	NA	NA
West Virginia	370	602	1,460	1,622	0.03	0.17	3.09
Wisconsin	0	0	0	0	—	—	—
Wyoming	21	83	45	97	0.48	0.44	1.66
Total	5,973	7,771	18,396	20,844	0.20	0.18	0.46

NA Not Available.
— Not Applicable.

Source: Energy Information Administration, Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Appendix D

Articles, Special Focuses and Special Reports

A variety of energy-related subjects are frequently included in this publication. The following articles have appeared in previous issues.

Feature Articles

<i>Natural Gas 1998: Issues and Trends - Executive Summary</i>	April 1999
<i>Revisions to Monthly Natural Gas Data</i>	July 1998
<i>EIA Corrects Errors in EIA's Drilling Activity Estimates Series</i>	March 1998
<i>Recent Trends in Natural Gas Spot Prices</i>	December 1997
<i>Natural Gas Residential Pricing Developments During the 1996-97 Winter</i>	August 1997
<i>Revisions to Monthly Natural Gas Data</i>	July 1997
<i>Intricate Puzzle of Oil and Gas Reserves Growth"</i>	July 1997
<i>Restructuring Energy Industries: Lessons from Natural Gas</i>	May 1997

Special Focuses

<i>Impact of Interruptible Natural Gas Service on Northeast Heating Oil Demand</i>	January 2001
<i>Status of Natural Gas Pipeline System Capacity Entering the 2000-2001 Heating Season</i>	October 2000
<i>Corporate Realignments and Investments in the Interstate Natural Gas Transmission System</i>	October 1999
<i>Deliverability on the Interstate Natural Gas Pipeline System</i>	May 1998
<i>Advance Summary: U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, 1996 Annual Report - Advance Summary</i>	September 1997
<i>Worldwide Natural Gas Supply and Demand and the Outlook for Global LNG Trade</i>	August 1997
<i>Outlook for Natural Gas Through 2015</i>	January 1997
<i>Natural Gas Productive Capacity</i>	January 1997

Special Reports

<i>Natural Gas Winter Outlook 2000-2001</i>	October 2000
<i>U.S. Natural Gas Imports and Exports - 1999</i>	August 2000
<i>Natural Gas 1999: A Preliminary Summary</i>	May 2000
<i>Next Generation * Natural Gas (NG)² Information Requirements — Executive Summary</i>	February 2000
<i>Increasing Importance of Natural Gas Imports on the U.S. Marketplace</i>	February 2000
<i>Natural Gas Winter Outlook 1999-2000</i>	October 1999
<i>U.S. Natural Gas Imports and Exports - 1998</i>	August 1999
<i>Retail Unbundling</i>	July 1999
<i>Natural Gas 1998: A Preliminary Summary</i>	April 1999
<i>U.S. Natural Gas Imports and Exports - 1997</i>	August 1998
<i>Revisions to Monthly Natural Gas Data</i>	July 1998
<i>Natural Gas 1997: A Preliminary Summary</i>	April 1998
<i>Comparison of Natural Gas Storage Estimates from the EIA and AGA</i>	October 1997
<i>U.S. Underground Storage of Natural Gas in 1997: Existing and Proposed</i>	September 1997
<i>U.S. Natural Gas Imports and Exports - 1996</i>	August 1997
<i>Revisions to Monthly Natural Gas Data</i>	July 1997
<i>Natural Gas 1996: Highlights</i>	April 1997
<i>Natural Gas Pipeline and System Expansions</i>	April 1997
<i>Natural Gas Analysis and Geographic Information Systems</i>	March 1997

Appendix E

Technical Contacts

Section	Tables	Frequency	Principal Data Sources	Technical Contact
Summary Statistics: Natural Gas Production	1,2,3	Monthly:	EIA-895, "Monthly Quantity and Value of Natural Gas Report"	Sharon Belcher (202)586-6119
		Annual:		
		Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202)586-4790
Extraction Loss	1	Monthly:	EIA computations	Margaret Natof (202)586-6303
		Annual:	Form EIA-816, "Monthly Natural Gas Liquids Report" and Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"	
Supplemental Gaseous Fuels	2	Monthly:	EIA computations	Margaret Natof (202)586-6303
		Annual:	Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"	
Imports and Exports	2	Monthly:	EIA computations	Margaret Natof (202)586-6303
		Annual:	Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Import and Exports"	
Price: City Gate, Residential, Commercial, and Industrial	4	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202)586-4790
Wellhead	4	Monthly:	EIA computations	Sylvia Norris (202)586-6106
		Annual:	Form EIA-895, "Monthly Quantity and Value of Natural Gas Report"	
Electric Utility	4	Monthly:	Form FPC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202)586-4790
Summary of Natural Gas Imports and Exports	5,6	Monthly:	Quarterly Natural Gas Import and Export Sales and Price Report	Margaret Natof (202)586-6303
Producer Related Activities: Natural Gas Production	7,8	Monthly:	Form EIA-895, "Monthly Quantity and Value of Natural Gas Report"	Sharon Belcher (202)586-6119
Underground Storage:	9,10,11, 12,13,14	Monthly:	Form EIA-191, "Monthly Underground Gas Storage Report"	Carol Jones (202) 586-6168
Distribution and Consumption: Deliveries to: Residential, Commercial, Industrial, Electric Utility, All Consumers	15	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202)586-4790
	16			
	17			
	18			
	19			
Average Price to: City Gate, Residential, Commercial, Industrial, Electric Utility Onsystem Sales	20	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202)586-4790
	21			
	22			
	23			
	24			
25	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202)586-4790	
Heating Degree Days	26	Seasonal:	National Oceanic and Atmospheric Administration	Patricia Wells (202)586-6077
Highlights				Mary Carlson (202)586-4749

Glossary

Aquifer Storage Field: A sub-surface facility for storing natural gas, consisting of water-bearing sands topped by an impermeable cap rock.

Balancing Item: Represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to quantities lost or to the effects of data reporting problems. Reporting problems include differences due to the net result of conversions of flow data metered at varying temperature and pressure bases and converted to a standard temperature and pressure base; the effect of variations in company accounting and billing practices; differences between billing cycle and calendar period time frames; and imbalances resulting from the merger of data reporting systems which vary in scope, format, definitions, and type of respondents.

Base (Cushion) Gas: The volume of gas needed as a permanent inventory to maintain adequate underground storage reservoir pressures and deliverability rates throughout the withdrawal season. All native gas is included in the base gas volume.

British Thermal Unit (Btu): The heat required to raise the temperature of one pound of water by one degree Fahrenheit at or near 39.2 degrees Fahrenheit.

City-gate: A point or measuring station at which a gas distribution company receives gas from a pipeline company or transmission system.

Commercial Consumption: Gas used by nonmanufacturing establishments or agencies primarily engaged in the sale of goods or services such as hotels, restaurants, wholesale and retail stores and other service enterprises; and gas used by local, State and Federal agencies engaged in nonmanufacturing activities.

Depletion: The loss in service value incurred in connection with the exhaustion of the natural gas reserves in the course of service.

Depleted Storage Field: A sub-surface natural geological reservoir, usually a depleted oil or gas field, used for storing natural gas.

Depreciation: The loss in service value not restored by current maintenance, incurred in connection with the consumption or respective retirement of a gas plant in the course of service from causes that are known to be in current operation and against which the utility is not protected by insurance; for example, wear and tear, decay, obsolescence, changes in demand and requirements of public authorities, and the exhaustion of natural resources.

Dry Natural Gas Production: Marketed production less extraction loss.

Electric Utility: An enterprise that is engaged in the generation, transmission, or distribution of electric energy primarily for use by the public and that is the major power supplier within a designated service area. Electric utilities include investor-owned, publicly-owned, cooperatively-owned, and government-owned (municipals, Federal agencies, State projects, and public power districts) systems.

Electric Utility Consumption: Gas used as fuel in electric utility plants.

Exports: Natural gas deliveries out of the continental United States and Alaska to foreign countries.

Extraction Loss: The reduction in volume of natural gas resulting from the removal of natural gas liquid constituents at natural gas processing plants.

Flared: The volume of gas burned in flares on the base site or at gas processing plants.

Gas Condensate Well: A gas well that produces from a gas reservoir containing considerable quantities of liquid hydrocarbons in the pentane and heavier range generally described as "condensate."

Gas Well: A well completed for the production of natural gas from one or more gas zones or reservoirs

Gross Withdrawals: Full well stream volume, including all natural gas plant liquid and nonhydrocarbon gases, but excluding lease condensate. Also includes amounts delivered as royalty payments or consumed in field operations.

Heating Value: The average number of British thermal units per cubic foot of natural gas as determined from tests of fuel samples.

Imports: Natural gas received in the Continental United States (including Alaska) from a foreign country.

Independent Producers: Any person who is engaged in the production or gathering of natural gas and who sells natural gas in interstate commerce for resale but who is not engaged in the transportation of natural gas (other than gathering) by pipeline in interstate commerce.

Industrial Consumption: Natural gas used for heat, power, or chemical feedstock by manufacturing establishments or those engaged in mining or other mineral extraction as well as consumers in agriculture, forestry, and fisheries. Also included in industrial consumption are natural gas volumes used in the generation of electricity by other than regulated electric utilities.

Interstate Companies: Natural gas pipeline companies subject to FERC jurisdiction.

Intransit Deliveries: Redeliveries to a foreign country of foreign gas received for transportation across U.S. territory and deliveries of U.S. gas to a foreign country for transportation across its territory and redelivery to the United States.

Intransit Receipts: Receipts of foreign gas for transportation across U.S. territory and redelivery to a foreign country and redeliveries to the United States of U.S. gas transported across foreign territory.

Intrastate Companies: Companies not subject to FERC jurisdiction.

Lease and Plant Fuel: Natural gas used in well, field, lease operations and as fuel in natural gas processing plants.

Liquefied Natural Gas (LNG): Natural gas that has been liquefied by reducing its temperature to minus 260 degrees Fahrenheit at atmospheric pressure.

Marketed Production: Gross withdrawals less gas used for repressuring, quantities vented and flared, and nonhydrocarbon gases removed in treating or processing operations. Includes all quantities of gas used in field and processing operations. See Explanatory Note 1 for discussion of coverage of data concerning nonhydrocarbon gases removed.

Native Gas: Gas in place at the time that a reservoir was converted to use as an underground storage reservoir as in contrast to injected gas volumes.

Natural Gas: A mixture of hydrocarbon compounds and small quantities of various nonhydrocarbons existing in the gaseous phase or solution with oil in natural underground reservoirs at reservoir conditions.

Nonhydrocarbon Gases: Typical nonhydrocarbon gases that may be present in reservoir natural gas are carbon dioxide, helium, hydrogen sulfide, and nitrogen.

Oil Well (Casinghead) Gas: Associated and dissolved gas produced along with crude oil from oil completions.

Onsystem Sales: Sales to customers where the delivery point is a point on, or directly interconnected with, a transportation, storage, and/or distribution system operated by the reporting company.

Pipeline Fuel: Gas consumed in the operation of pipelines, primarily in compressors.

Repressuring: The injection of gas into oil or gas formations to effect greater ultimate recovery.

Residential Consumption: Gas used in private dwellings, including apartments, for heating, cooking, water heating, and other household uses.

Salt Cavern Storage Field: A storage facility that is a cavern hollowed out in either a salt "bed" or "dome" formation.

Storage Additions: The volume of gas injected or otherwise added to underground natural gas or liquefied natural gas storage during the applicable reporting period.

Storage Withdrawals: Total volume of gas withdrawn from underground storage or liquefied natural gas storage during the applicable reporting period.

Supplemental Gaseous Fuels Supplies: Synthetic natural gas, propane-air, refinery gas, biomass gas, air injected for stabilization of heating content, and manufactured gas commingled and distributed with natural gas.

Synthetic Natural Gas (SNG): A manufactured product chemically similar in most respects to natural gas, that results from the conversion or reforming of petroleum hydrocarbons and may easily be substituted for or interchanged with pipeline quality natural gas.

Therm: One-hundred thousand British thermal units.

Underground Gas Storage Reservoir Capacity: Interstate company reservoir capacities are those certificated by FERC. Independent producer and intrastate

company reservoir capacities are reported as developed capacity.

Vented Gas: Gas released into the air on the base site or at processing plants.

Wellhead Price: Represents the wellhead sales price, including charges for natural gas plant liquids subsequently removed from the gas, gathering and compression charges, and State production, severance, and/or similar charges.

Working (Top Storage) Gas: The volume of gas in an underground storage reservoir above the designed level of the base. It may or may not be completely withdrawn during any particular withdrawal season. Conditions permitting, the total working capacity could be used more than once during any season.